



# Marshall

let's colour

## INTERIOR WALL TECHNICAL BULLETIN CATALOGUE



## INTERIOR PAINT AND PRIMER PRODUCTS

- ANTIBACTERIAL HYGIENE
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- PASTEL MAT
- TRANSITION PRIMER
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- INTERIOR FILLER



## ANTIBACTERIAL HYGIENE



WATER-BASED

### PRODUCT RELEASE

Packaging 2,5 L - 15 L

COLOUR See Color Chart of Interior

### FIELDS OF USE

It is for Interior use. It is recommended to apply on smooth and uniform sub-surfaces for providing of appearance properties. Please see the Surface Preparation and Application sections for details.

### CHARACTERISTICS

It is a top coat semi-matt wall paint for interior use, free from offensive odor; no color change over time; non-fading; having high covering and good adhesion properties, wipeable. Thanks to silver ions it contains, provides protection by up 99%\* against the bacteria and ensures the comfort of hygiene in all application areas. Further, silver ions exhibit an effective resistance to mould and fungal that may form on the wall surface due to moisture, dampness and no air. It is licensed by the Ministry of Health\*\*.

\*Provides protection by up 99% against bacteria such as Staphylococcus aureus, Escherichia coli, Arpergillus niger, Penicillium purpurogenum, MRSA, VRE.

\*\*The Ministry of Health License Date and Number: 06.04.2016-2016/70

### TECHNICAL SPECIFICATIONS OF THE PRODUCT

Appearance	Semi matt, smooth appearance, top coat paint	
Chemical Structure	Acrylic copolymer, latex	
Drying time between coats	Minimum 2 hours (20 °C, 50%RH) - High relative humidity and low temperature can be increase drying time.	
Complete drying	Minimum 24 hours (20 °C, 50%RH) - High relative humidity and low temperature can be increase drying time.	
Recommended application coat	Minimum 2 coats (may vary depending on the subsurface condition.)	
Consumption (theoretical)	0.065-0.075 L/m <sup>2</sup> in one coat	
Covering Power (theoretical)	14 m <sup>2</sup> /L (at 28±5 micron dry film thickness) in one coat.	

### EN 13300 Classification Standard [European Norms]

Wet Scrub Resistance	Class 1	[TS EN ISO 11998]
Covering Capacity	Class 2 (7 m <sup>2</sup> /L)	[TS EN ISO 6504-3]
Grain Size	Fine	[TS EN ISO 1524]
Gloss	Semi-matt	[TS EN ISO 2813]

It resists to the fungal growth.

### SURFACE PREPARATION

**For bare surfaces** Any dirt and dusts on the application surface should be removed off the surface by mechanical means. Subsurface is important for high paint performance. In order to have a uniform and smooth surface, any irregularities on the fine plasters may be removed by local or complete puttying or plaster-puttying. After the putty and plaster gets dry, it should be sanded and dusts should be removed off the surface. Satin Plaster Primer or Isolation Primer (1 cup of isolation primer is diluted with 7 cups of water) should be applied in (1) coat very thin, taking care not to allow it to leave any film on the surface. Before applying the primer and paint, it should be noted that the plaster, putty and gypsum surfaces are completely dry.

**For painted surfaces** Former paints, swollen and loose paint should be scraped off the surface. (Surfaces to apply the paint and primer should be self-supporting). To remove any level difference on the surface, puttying or plaster should be performed and the surface, especially the puttied parts of it, should be thoroughly sanded to eliminate any level difference. Sand dusts should be removed off the surface. Application surface should be dry. On surfaces applied the local putty and plaster, depending on the surface condition, you may apply Satin Plaster Primer or Isolation Primer (1 cup of isolation primer is diluted with 7 cups of water) in 1 coat very thin.

It is recommended to apply one coat of Transition Primer before Antibacterial Hygiene to surfaces painted formerly with water or solvent-based paint which is dirty or you want to change its color for decorative purpose. Before applying the primer, all formerly painted surface flattened with sanded. It should apply minimum 2 coats of Antibacterial Hygiene depending on the surface condition 24 hours after the priming coat has been applied.

### APPLICATION

**Recommended application tools:** Roller, brush

**Note:** Roller with shorter bristles ensures you get a smooth surface. When you use roller with long bristle, it causes a slight pattern on the surface.

**Dilution medium:** It should be diluted with water.

**Dilution Ratio:** Maximum 10% by volume (In case of over-dilution, may encounter covering problems.)

**Recommended Primers:** Satin Plaster Primer, Isolation Primer (1 cup of isolation primer is diluted with 7 cups of water) Transition Primer.

**Application:** It should be applied on clean, dry and smooth surfaces with necessary subsurface treatments performed (putty and primer applied). It should be made homogenous by diluting and stirring according to the dilution rate. Antibacterial Hygiene is applied minimum of 2 coats with a roller. Assure during application that roller movements should be in one direction. You should allow 2 - 4 hours between the application coats depending on its being summer and winter. You should take care no overlapping at cutoffs. It is recommended to be performed sweeping process passing over the painted surface without paint with the same roller after 2-3 minutes, depending on ambient temperature roller applications for a homogenous and more covering surface.



## SIL-PAK



WATER BASED

### CONSIDERATIONS FOR APPLICATION

- Before/after diluting, the paint should be mixed in its pot to make it homogeneous.
- It is recommended to use products with the same product number on the same surface in order to avoid color shade differences in retouch works.
- Colors made from BM and BC bases should be diluted maximum 5% by volume.
- Ambient and surface temperature for the paint applications should not be below +5 °C and above +35 °C.
- If the application to be made over putty or satin plaster, Satin Plaster Primer should absolutely be applied as 1 coat.
- Primers containing fillers should not be used directly putty and plaster.
- Antibacterial Hygiene paint should be applied after minimum 24 hours of applying the primer.
- Primer should be applied in thin one coat as not form a film on the surface.
- Application should be performed according to the specified application directions.
- Antibacterial Hygiene paint should not be diluted with water more than 10% by volume.
- You should wait 2-4 hours between the application coats depending on the ambient and surface temperature.
- Low ambient and surface temperatures should be increased drying time.
- High hiding performance is depending to be performed to the sweeping with roller and minimum 2 coats the paint application, the primer application, waiting time between the coats, accurate dilute rates.
- It is recommended to wipe off the entire wall after wiping it off the local area for better results from the procedure of wiping stain.
- As the precise paint consumption may vary change depending on the surface, it should be determined by test paintwork on the surface to be painted.

### CLEANING THE APPLICATION TOOLS

Application tools should be cleaned with water immediately after use.

### CHARACTERISTICS RELATED TO ENVIRONMENT AND HUMAN HEALTH

- VOC (Volatile Organic Compounds) limits comply with those specified in "DIRECTIVE 2004/42/CE OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL.
- CIT/MIT in the Paint is below 15 ppm.
- It does not contain Carbendazim and derivatives.
- It does not contain Ethylene-Glycol and derivatives.

### STORAGE CONDITIONS

It should be stored in a place dry, well-ventilated, kept away from heat sources and direct sunlight in the temperature range of +5 °C and +35 °C

### OTHER WARNINGS

Hazardous dust and/or smoke may occur during operations such as sanding and burning on the painted surface. Work in well-ventilated spaces. If required, use proper personal protective equipment. Safety Data Sheet is available for any further information, if requested.

**G** Our product has a national mark that indicates it's safe as per the Construction Materials Regulation. The product is manufactured in accordance with the national technical specifications within the scope of Conformity Confirmation System 1.



IT CONFORMS TO TS 5808 and TS 5808/T1.  
TS5808/14.06.2012 and  
TS5808/T1/18.06.2014

Public Works Pos. No. Y.25.003/09-Y.25.003/26-  
Y.25.003/27-Y.25.003/28  
Rate Pos. No. 04.551/05



T.R. Ministry of Health  
The Ministry Health Licensed Date  
and Number: 06.04.2016-2016/70

### PRODUCT RELEASE

Packaging **2,5 L - 7,5 L - 15 L**

**COLOUR** See Color Chart of Interior

### FIELDS OF USE

It is for Interior use. It is recommended to apply on smooth and uniform sub-surfaces for providing of gloss and appearance properties. Please see the Surface Preparation and Application sections for details.

### CHARACTERISTICS

It is semi-matt, decorative interior paint that is water-based, having high covering power, easy to apply thanks to superior spreading power; specially designed with stain-proof tech and new tech that can repel water; with high cleanable and wipeable features by preventing absorbing water-based liquids and stains into the paint thanks to the stain-repellent tech.

### TECHNICAL SPECIFICATIONS OF THE PRODUCT

Appearance	Semi matt, smooth appearance, top coat paint	
Chemical Structure	Acrylic copolymer, latex	
Drying time between coats	Minimum 2 hours (20 °C, 50%RH) - High relative humidity and low temperature can be increase drying time.	
Complete drying	Minimum 24 hours (20 °C, 50%RH) - High relative humidity and low temperature can be increase drying time.	
Recommended application coat	Minimum 2 coats (may vary depending on the subsurface condition.)	
Consumption (theoretical)	0.065-0.075 L/m <sup>2</sup> in one coat	
Covering Power (theoretical)	14 m <sup>2</sup> /L (at 28±5 micron dry film thickness) in one coat.	
<b>EN 13300 Classification Standard [European Norms]</b>		
Wet Scrub Resistance	Class 1	[TS EN ISO 11998]
Covering Capacity	Class 2 (7.0 m <sup>2</sup> /L)	[TS EN ISO 6504-3]
Grain Size	Fine	[TS EN ISO 1524]
Gloss	Semi-matt	[TS EN ISO 2813]

It resists to the fungal growth.

### SURFACE PREPARATION

**For bare surfaces** Any dirt and dusts on the application surface should be removed off the surface by mechanical means. Subsurface is important for high paint performance. In order to have a uniform and smooth surface, any irregularities on the fine plasters may be removed by local or complete puttying or plaster. After the putty and plaster gets dry, it should be sanded and dusts should be removed off the surface. Satin Plaster Primer or Isolation Primer (1 cup of isolation primer is diluted with 7 cups of water) should be applied in (1) coat very thin, taking care not to allow it to leave any film on the surface. Before applying the primer and paint, it should be noted that the plaster, putty and gypsum surfaces are completely dry.

**For painted surfaces** Former paints, swollen and loose paint should be scraped off the surface. (Surfaces to apply the paint and primer should be self-supporting) To remove any level difference on the surface, puttying or plaster should be performed and the surface, especially the putted parts of it, should be thoroughly sanded to eliminate any level difference. Sand dusts should be removed off the surface. Application surface should be dry. On surfaces applied the local putty and plaster, depending on the surface condition, you may apply Satin Plaster Primer or Isolation Primer (1 cup of isolation primer is diluted with 7 cups of water) in 1 coat very thin.

It is recommended to apply one coat of Transition Primer before SIL-PAK paint for surfaces painted formerly with water or solvent-based paint which is dirty or you want to change its color for decorative purpose. Before applying the primer, all formerly painted surface flattened with sanded. It should apply minimum 2 coats of SIL-PAK depending on the surface condition 24 hours after the priming coat has been applied.

### APPLICATION

**Recommended application tools:** Roller, brush

**Note:** Roller with shorter bristles ensures you get a smooth surface. When you use roller with long bristle, it causes a slight pattern on the surface.

**Dilution medium:** It should be diluted with water.

**Dilution Ratio:** Maximum 10% by volume (In case of over-dilution, may encounter covering problems.)

**Recommended Primers:** Satin Plaster Primer, Isolation Primer (1 cup of isolation primer is diluted with 7 cups of water)) Transition Primer.

**Application:** It should be applied on clean, dry and smooth surfaces with necessary subsurface treatments performed (putty and primer applied). It should be made homogenous by diluting and stirring according to the dilution rate. On the surface ready to apply, first should be apply cutting-off process by brush and then should be applied the topcoat in minimum 2 coats by suitable roller. Assure during application that roller movements should be in one direction. You should allow 2 - 4 hours between the application coats depending on ambient and surface temperature. You should take care no overlapping at cutoffs. It is recommended to be performed sweeping process passing over the painted surface without paint with the same roller after 2-3 minutes from roller applications depending on ambient temperature for a homogenous and more covering surface.



#### CONSIDERATIONS FOR APPLICATION

- Before/after diluting, the paint should be stirred in the pot to make it homogenous before use.
- It is recommended to use products with the same product number on the same surface in order to avoid color shade differences in retouch works.
- Colors made from BM and BC bases should be diluted maximum 5% by volume.
- Ambient and surface temperature for the paint applications should not be below +5 °C and above +35 °C.
- If the application to be made over putty or satin plaster, Satin Plaster Primer should absolutely be applied as 1 coat.
- Priming Fillers should not be used directly putty and plaster.
- SIL-PAK paint should be applied after minimum 24 hours of applying the primer.
- Primer should be applied in one thin coat as not form a film on the surface.
- Application should be performed according to the specified application directions.
- SIL-PAK paint should not be diluted with water more than 10% by volume.
- You should wait 2-4 hours between the application coats depending on ambient and surface temperature.
- Low ambient and surface temperatures should be increased drying time.
- High hiding performance is depending to be performed to the sweeping with roller and minimum 2 coats the paint application, the primer application, waiting time between the coats, accurate dilute rates.
- It is recommended to wipe off the entire wall after wiping it off the local area for better results from the procedure of wiping stain.
- As the precise paint consumption may vary change depending on the surface, it should be determined by test paintwork on the surface to be painted.

#### CLEANING THE APPLICATION TOOLS

Application tools should be cleaned with water immediately after use.

#### CHARACTERISTICS RELATED TO ENVIRONMENT AND HUMAN HEALTH

- VOC (Volatile Organic Compounds) limits comply with those specified in "DIRECTIVE 2004/42/CE OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL.
- CIT/MIT in the Paint is below 15 ppm.
- It does not contain carbendazim and derivatives.
- It does not contain Ethylene-Glycol and derivatives.

#### STORAGE CONDITIONS

It should be stored in a place dry, well-ventilated, kept away from heat sources and direct sunlight in the temperature range of +5 °C and +35 °C

#### OTHER WARNINGS

Hazardous dust and/or smoke may occur during operations such as sanding and burning on the painted surface. Work in well-ventilated spaces. If required, use proper personal protective equipment. Safety Data Sheet is available for any further information if requested.

Our product has a national mark that indicates it's safe as per the Construction Materials Regulation. The product is manufactured in accordance with the national technical specifications within the scope of Conformity Confirmation System 1.

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**TSE** IT CONFORMS TO TS 5808 and TS 5808/T1. Public Works Pos. No. Y.25.003/07-Y.25.003/20-TS5808/14.06.2012 and Y.25.003/21-Y.25.003/22 TS5808/T1/18.06.2014 Rate Pos. No. 04.551/03



## SILICONED SPECIAL MATT



WATER BASED

#### PRODUCT RELEASE

Packaging 0,75L-1L-2,5L-7,5L-15L

COLOUR See Color Chart of Interior

#### FIELDS OF USE

It is for Interior use. It is recommended to apply on smooth and uniform sub-surfaces for providing of gloss and appearance properties. Please see the Surface Preparation and Application sections for details.

#### CHARACTERISTICS

It is a wall paint for interior, silicone, water-based, special matt, wipeable, free from offensive odor, resistant to stains, no color change over time, non-fading, high covering capacity and good adhesion properties, easy to apply and high quality.

#### TECHNICAL SPECIFICATIONS OF THE PRODUCT

Appearance	Special Matt, smooth appearance, top coat paint	
Chemical Structure	Acrylic copolymer, latex	
Drying time between coats	Minimum 2 hours (20 °C, 50%RH) - High relative humidity and lower temperature can be increase drying time.	
Complete drying	Minimum 24 hours (20 °C, 50%RH) - High relative humidity and lower temperature can be increase drying time.	
Recommended application coat	Minimum 2 coats (may vary depending on the subsurface condition.)	
Consumption (theoretical)	0.065-0.075 L/m <sup>2</sup> in one coat	
Covering Power (theoretical)	14 m <sup>2</sup> /L (at 28±5 micron dry film thickness) in one coat.	
<b>EN 13300 Classification Standard [European Norms]</b>		
Wet Scrub Resistance	Class 1	[TS EN ISO 11998]
Covering Capacity	Class 2 (7.0 m <sup>2</sup> /L)	[TS EN ISO 6504-3]
Grain Size	Fine	[TS EN ISO 1524]
Gloss	Semi-matt	[TS EN ISO 2813]

#### SURFACE PREPARATION

**For bare surfaces** Any dirt and dusts on the application surface should be removed off the surface by mechanical means. Subsurface is important for high paint performance. In order to have a uniform and smooth surface, any irregularities on the fine plasters may be removed by local or complete puttying or plaster. After the putty and plaster gets dry, it should be sanded and dusts should be removed off the surface. Satin Plaster Primer or Isolation Primer (1 cup of isolation primer is diluted with 7 cups of water) should be applied in (1) coat very thin, taking care not to allow it to leave any film on the surface. Before applying the primer and paint, it should be noted that the plaster, putty and gypsum surfaces are completely dry.

**For painted surfaces** Former paints, swollen and loose paint should be scraped off the surface. (Surfaces to apply the paint and primer should be self-supporting) To remove any level difference on the surface, puttying or plaster should be performed and the surface, especially the puttied parts of it, should be thoroughly sanded to eliminate any level difference. Sand dusts should be removed off the surface. Application surface should be dry. On surfaces applied the local putty and plaster, depending on the surface condition, you may apply Satin Plaster Primer or Isolation Primer (1 cup of isolation primer is diluted with 7 cups of water) in 1 coat very thin.

It is recommended to apply one coat of Transition Primer before Silicone Special Matt paint for surfaces painted formerly with water or solvent-based paint which is dirty or you want to change its color for decorative purpose. Before applying the primer, all formerly painted surface flattened with sanded. It should apply minimum 2 coats Silicone Special Matt depending on the surface condition 24 hours after the priming coat has been applied.

#### APPLICATION

**Recommended application tools:** Roller, brush

**Note:** Roller with shorter bristles ensures you get a smooth surface. When you use roller with long bristle, it causes a slight pattern on the surface.

**Dilution medium:** It should be diluted with water.

**Dilution Ratio:** Maximum 10% by volume (In case of over-dilution, may encounter covering problems.)

**Recommended Primers:** Satin Plaster Primer, Isolation Primer (1 cup of isolation primer is diluted with 7 cups of water), Transition Primer.

**Application:** It should be applied on clean, dry and smooth surfaces with necessary subsurface treatment performed (putty and primer applied). It should be made homogenous by diluting and stirring according to the dilution rate. SILICONE SPECIAL MATT is applied minimum of 2 coats with a roller. Assure during application that roller movements should be in one direction. You should wait 2 - 4 hours between coats depending on summer and winter. You should take care no overlapping at cutoffs.



#### CONSIDERATIONS FOR APPLICATION

- Before/after diluting, the paint should be stirred in the pot to make it homogenous before use.
- It is recommended to use products with the same product number on the same surface in order to avoid color shade differences in retouch works.
- Colors made from BM and BC bases should be diluted maximum 5% by volume.
- Ambient and surface temperature for the paint applications should not be below +5 °C and above +35 °C.
- If the application to be made on the putty or satin plaster, Satin Plaster Primer should absolutely be applied as 1 coat.
- Primers containing fillers should not be used directly putty and plaster.
- Silicone Special Matt paint should be applied after minimum 24 hours of applying the primer.
- Primer should be applied in one thin coat as not form a film on the surface.
- Application should be performed according to the specified application directions.
- Silicone Special Matt should not be diluted with water more than 10% by volume.
- You should wait 2 – 4 hours between the application coats depending on the ambient and surface temperature.
- Low ambient and surface temperatures should be increased drying time.
- High hiding performance is depending to be performed to the sweeping with roller and minimum 2 coats the paint application, the primer application, waiting time between the coats, accurate dilute rates.
- It is recommended to wipe off the entire wall after wiping it off the local area for better results from the procedure of wiping stain.
- As the precise paint consumption may vary change depending on the surface, it should be determined by test paintwork on the surface to be painted.

#### CLEANING THE APPLICATION TOOLS

Application tools should be cleaned with water immediately after use

#### CHARACTERISTICS RELATED TO ENVIRONMENT AND HUMAN HEALTH

- VOC (Volatile Organic Compounds) limits comply with those specified in "DIRECTIVE 2004/42/CE OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL.
- CIT/MIT in the Paint is below 15ppm.
- It does not contain Carbendazim and derivatives.
- It does not contain Ethylene-Glycol and derivatives.

#### STORAGE CONDITIONS

It should be stored in a place dry, well-ventilated, kept away from heat sources and direct sunlight in the temperature range of +5 °C and +35 °C.

#### OTHER WARNINGS

Hazardous dust and/or smoke may occur during operations such as sanding and burning on the painted surface. Work in well-ventilated spaces. If required, use proper personal protective equipment. Safety Data Sheet is available for any further information, if requested.

**G** Our product has a national mark that indicates it's safe as per the Construction Materials Regulation. The product is manufactured in accordance with the national technical specifications within the scope of Conformity Confirmation System 1.

**TS E** IT CONFORMS TO TS 5808 and TS 5808/T1. Public Works Pos. No. Y.25.003/07-Y.25.003/20-  
TS5808/14.06.2012 and Y.25.003/21-Y.25.003/22  
TS5808/T1/18.06.2014 Rate Pos. No. 04.551/03



## MARSHALL MAXIMUM



WATER BASED

#### PRODUCT RELEASE

Packaging 2.5 L – 7,5 L -15 L

COLOUR See Color Chart of Interior

#### FIELDS OF USE

It is for Interior use. It is recommended to apply on smooth and uniform sub-surfaces for providing of appearance properties. Please see the Surface Preparation and Application sections for details.

#### CHARACTERISTICS

It is a silky textured, semi-matt decorative wall paint for interior surfaces that acrylic copolymer-based, water-based, silicone additive, washable, having excellent covering and good adhesion properties.

#### TECHNICAL SPECIFICATIONS OF THE PRODUCT

Appearance	Semi- Matt, smooth appearance, top coat paint	
Chemical Structure	Acrylic copolymer, latex	
Drying time between coats	Minimum 4-6 hours (20 °C, 50%RH) - High relative humidity and low temperature can be increase drying times.	
Complete drying	Minimum 24 hours (20 °C, 50%RH) - High relative humidity and low temperature can be increase drying times.	
Recommended application coat	Minimum 2 coats	
Consumption (theoretical)	0.057-0.068 L/m2 in one coat (may vary depending of the texture type and absorptive of the subsurface.)	
Covering Power (theoretical)	16 m2/L (at 28±5 micron dry film thickness) in one coat.	
<b>EN 13300 Classification Standard [European Norms]</b>		
Wet Scrub Resistance	Class 2	[TS EN ISO 11998]
Covering Capacity	Class 2 (8 m²/L)	[TS EN ISO 6504-3]
Grain Size	Fine	[TS EN ISO 1524]
Gloss	Semi-matt	[TS EN ISO 2813]

#### SURFACE PREPARATION

**For bare surfaces** Any dirt and dusts on the application surface should be removed off the surface by mechanical means. The surface should be clean and dry. Subsurface is important for high paint performance. In order to have a uniform and smooth surface, any irregularities on the fine plasters may be removed by local or complete puttying or plaster. After the putty and plaster gets dry, it should be sanded and dusts should be removed off the surface. Satin Plaster Primer or Isolation Primer (1 cup of isolation primer is diluted with 7 cups of water) should be applied taking care not to allow it to leave any film on the surface.

**For painted surfaces** Former paints, swollen and loose paint should be scraped off the surface. To remove any level difference on the surface, local puttying or plaster should be performed and the surface, especially the putted parts of it, should be thoroughly sanded to eliminate any level difference. Sand dusts should be removed off the surface. Application surface should be dry. On surfaces applied the local puttying and plaster, depending on the surface condition, you may apply Satin Plaster Primer or Isolation Primer (1 cup of isolation primer is diluted with 7 cups of water) in 1 coat very thin.

It is recommended to apply one coat of Transition Primer before MARSHALL MAXIMUM paint for surfaces painted formerly with water or solvent-based paint which is dirty or you want to change its color for decorative purpose. It should apply minimum 2 coats MARSHALL MAXIMUM depending on the surface condition 24 hours after the priming coat has been applied.

#### APPLICATION

**Recommended application tools:** Roller, brush

**Note:** Roller with shorter bristles ensures you get a smooth surface. When you use roller with long bristle, it causes a slight pattern on the surface.

**Dilution medium:** It should be diluted with water.

**Dilution Ratio:** Maximum 15% by volume (In case of over-dilution, may encounter covering problems.)

**Recommended Primers:** Satin Plaster Primer, Isolation Primer

**Application:** It should be applied on clean, dry and smooth surfaces with necessary subsurface treatment performed (putty and primer applied). It should be made homogenous by diluting and stirring according to the dilution ratio. On the surface ready to apply, first should be apply cutting-off process by brush and then should be applied the topcoat in minimum 2 coats by suitable roller. Assure during application that roller movements should be in one direction. You should wait 4 – 6 hours between coats depending on the ambient temperature. You should take care no overlapping at cutoffs. It is recommended to be performed sweeping process passing over the painted surface without paint with the same roller after 2-3 minutes from roller application depending on environment temperature for a homogenous and more covering surface



#### CONSIDERATIONS FOR APPLICATION

- Before/after diluting, the paint should be stirred in the pot to make it homogenous before use.
- Ambient and surface temperature for the paint applications should temperature range +5 °C /+35 °C.
- The surfaces applied the putty or plaster, Satin Plaster Primer should be applied in 1 coat of very thin.
- Primers containing fillers should not be used onto the putty and plaster.
- Primer should be applied in one thin coat as not form a film on the surface.
- MARSHALL MAXIMUM paint should be applied after minimum 24 hours of applying the primer.
- Application should be performed according to the specified application directions.
- MARSHALL MAXIMUM should not be diluted with water more than 15% by volume.
- You should wait 4-6 hours between the application coats depending on the ambient and surface temperature.
- It should be used products with the same product number on the same surface to prevent the color tone differences.
- Fully cured is minimum 7 days, for wipeable the product. No wiping should be made within this period.
- As the specified consumption amounts may vary change depending on the type and absorbency of the surface, it should be determined by test paintwork on the surface to be painted.
- (20 °C, 50%RH) - Higher relative humidity and lower temperature can increase drying time.

#### CLEANING THE APPLICATION TOOLS

Application tools should be cleaned with water immediately after use

#### CHARACTERISTICS RELATED TO ENVIRONMENT AND HUMAN HEALTH

- VOC (Volatile Organic Compounds) limits comply with those specified in "DIRECTIVE 2004/42/CE OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL.
- CIT/MIT in the Paint is below 15ppm.
- It does not contain Carbendazim and derivatives.
- It does not contain Ethylene-Glycol and derivatives.

#### STORAGE CONDITIONS

It should be stored in a place dry, well-ventilated, kept away from heat sources and direct sunlight in the temperature range of +5 °C and +35 °C.

#### OTHER WARNINGS

Hazardous dust and/or smoke may occur during operations such as sanding and burning on the painted surface. Work in well-ventilated spaces. If required, use proper personal protective equipment. Safety Data Sheet is available for any further information if requested.

**G** Our product has a national mark that indicates it's safe as per the Construction Materials Regulation. The product is manufactured in accordance with the national technical specifications within the scope of Conformity Confirmation System 1.

**TS E** IT CONFORMS TO TS 5808 and TS 5808/T1. Public Works Pos. No. Y.25.003/06-Y.25.003/17- TS5808/14.06.2012 and Y.25.003/18-Y.25.003/19 TS5808/T1/18.06.2014 Rate Pos. No. 04.551/02



## SILICONED SILK MATT



WATER BASED

#### PRODUCT RELEASE

Packaging **2.5 L – 7,5 L - 15 L**

**COLOUR** See Color Chart of Interior

#### FIELDS OF USE

It is for Interior use. It is recommended to apply on smooth and uniform sub-surfaces for providing of gloss and appearance properties. Please see the Surface Preparation and Application sections for details.

#### CHARACTERISTICS

It is a top coat, silk matte, wall paint for interior, free from offensive odor; low water absorption property, silicone, no color change over time, non-fading, having high coverage and good adhesion properties, wipeable.

#### TECHNICAL SPECIFICATIONS OF THE PRODUCT

Appearance	Silk matt, smooth appearance, top coat paint	
Chemical Structure	Acrylic copolymer, latex	
Drying time between coats	Minimum 2 hours (20 °C, 50%RH) - High relative humidity and low temperature can be increase drying times.	
Complete drying	Minimum 24 hours (20 °C, 50%RH) - High relative humidity and low temperature can be increase drying times.	
Recommended application coat	Minimum 2 coats (may vary depending on the subsurface condition.)	
Consumption (theoretical)	0.065-0.075 L/m2 in one coat	
Covering Power (theoretical)	14 m2/L (at 28±5 micron dry film thickness) in one coat.	
<b>EN 13300 Classification Standard [European Norms]</b>		
Wet Scrub Resistance	Class 2	[TS EN ISO 11998]
Covering Capacity	Class 2 (7 m²/L)	[TS EN ISO 6504-3]
Grain Size	Fine	[TS EN ISO 1524]
Gloss	Semi-matt	[TS EN ISO 2813]

#### SURFACE PREPARATION

**For bare surfaces** Any dirt and dusts on the application surface should be removed off the surface by mechanical means. Subsurface is important for high paint performance. In order to have a uniform and smooth surface, any irregularities on the fine plasters may be removed by local or complete puttying or plaster. After the putty and plaster gets dry, it should be sanded and dusts should be removed off the surface. Satin Plaster Primer or Isolation Primer (1 cup of isolation primer is diluted with 7 cups of water) should be applied in (1) coat very thin, taking care not to allow it to leave any film on the surface. Before applying the primer and paint, it should be noted that the plaster, putty and gypsum surfaces are completely dry.

**For painted surfaces** Former paints, swollen and loose paint should be scraped off the surface. (Surfaces to apply the paint and primer should be self-supporting) To remove any level difference on the surface, puttying or plaster should be performed and the surface, especially the puttied parts of it, should be thoroughly sanded to eliminate any level difference. Sand dusts should be removed off the surface. Application surface should be dry. On surfaces applied the local putty and plaster, depending on the surface condition, you may apply Satin Plaster Primer or Isolation Primer (1 cup of isolation primer is diluted with 7 cups of water) in 1 coat very thin.

It is recommended to apply one coat of Transition Primer before Silicone Silky Matt paint for surfaces painted formerly with water or solvent-based paint which is dirty or you want to change its color for decorative purpose. Before applying the primer, all formerly painted surface flattened with sanded. It should apply minimum 2 coats Silicone Silky Matt depending on the surface condition 24 hours after the priming coat has been applied.

#### APPLICATION

**Recommended application tools:** Roller, brush

**Note:** Roller with shorter bristles ensures you get a smooth surface. When you use roller with long bristle, it causes a slight pattern on the surface.

**Dilution medium:** It should be diluted with water.

**Dilution Ratio:** Maximum 10% by volume (In case of over-dilution, may encounter covering problems.)

**Recommended Primers:** Satin Plaster Primer, Isolation Primer (1 cup of isolation primer is diluted with 7 cups of water), Transition Primer.

**Application:** It should be applied on clean, dry and smooth surfaces with necessary subsurface treatment performed (putty and primer applied). It should be made homogenous by diluting and stirring according to the dilution rate. SILICONE SILKY MATT is applied minimum of 2 coats with a roller. Assure during application that roller movements should be in one direction. You should wait 2 – 4 hours between coats depending on summer and winter. You should take care no overlapping at cutoffs.



#### CONSIDERATIONS FOR APPLICATION

- Before/after diluting, the paint should be stirred in the pot to make it homogenous before use.
- It is recommended to use products with the same product number on the same surface in order to avoid color shade differences in retouch works.
- Colors made from BM and BC bases should be diluted maximum 5% by volume.
- Ambient and surface temperature for the paint applications should not be below +5 °C and above +35 °C.
- If the application to be made on the putty or satin plaster, Satin Plaster Primer should absolutely be applied as 1 coat.
- Primers containing fillers should not be used directly onto the putty and plaster.
- Silicone Silky Matt paint should be applied after minimum 24 hours of applying the primer.
- Primer should be applied in one thin coat as not form a film on the surface.
- Application should be performed according to the specified application directions.
- Silicone Silky Matt should not be diluted with water more than 10% by volume.
- You should wait 2 – 4 hours between the application coats depending on the ambient and surface temperature.
- Low ambient and surface temperatures should be increased drying time.
- High hiding performance is depending to be performed to the sweeping with roller and minimum 2 coats the paint application, the primer application, waiting time between the coats, accurate dilute rates.
- It is recommended to wipe off the entire wall after wiping it off the local area for better results from the procedure of wiping stain.
- As the precise paint consumption may vary change depending on the surface, it should be determined by test paintwork on the surface to be painted.

#### CLEANING THE APPLICATION TOOLS

Application tools should be cleaned with water immediately after use

#### CHARACTERISTICS RELATED TO ENVIRONMENT AND HUMAN HEALTH

- VOC (Volatile Organic Compounds) limits comply with those specified in "DIRECTIVE 2004/42/CE OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL.
- CIT/MIT in the Paint is below 15ppm.
- It does not contain Carbendazim and derivatives.
- It does not contain Ethylene-Glycol and derivatives.

#### STORAGE CONDITIONS

It should be stored in a place dry, well-ventilated, kept away from heat sources and direct sunlight in the temperature range of +5 °C and +35 °C.

#### OTHER WARNINGS

Hazardous dust and/or smoke may occur during operations such as sanding and burning on the painted surface. Work in well-ventilated spaces. If required, use proper personal protective equipment. Safety Data Sheet is available for any further information, if requested.

**G** Our product has a national mark that indicates it's safe as per the Construction Materials Regulation. The product is manufactured in accordance with the national technical specifications within the scope of Conformity Confirmation System 1.



IT CONFORMS TO TS 5808 and TS 5808/T1. Public Works Pos. No. Y.25.003/06-Y.25.003/17-TS5808/14.06.2012 and Y.25.003/18-Y.25.003/19 Rate Pos. No. 04.551/02 TS5808/T1/18.06.2014



## SILICONED MATT



WATER BASED

#### PRODUCT RELEASE

Packaging 2.5 L – 7,5 L - 15 L

COLOUR See Color Chart of Interior

#### FIELDS OF USE

It is for Interior use. It is recommended to apply on smooth and uniform sub-surfaces for providing of appearance properties. Please see the Surface Preparation and Application sections for details.

#### CHARACTERISTICS

It is a top coat, matt, wall paint for interior, free from offensive odor; low water absorption property, silicone, no color change over time, non-fading, having high coverage and good adhesion properties, wipeable.

#### TECHNICAL SPECIFICATIONS OF THE PRODUCT

Appearance	Matt, smooth appearance, top coat paint	
Chemical Structure	Acrylic copolymer, latex	
Drying time between coats	Minimum 2 hours (20 °C, 50% RH) - High relative humidity and lower temperature can increase drying time.	
Complete drying	Minimum 24 hours (20 °C, 50%RH) - High relative humidity and low temperature can be increase drying times.	
Recommended application coat	Minimum 2 coats (may vary depending on the subsurface condition.)	
Consumption (theoretical)	0.065-0.075 L/m2 in one coat	
Covering Power (theoretical)	14 m2/L (at 28±5 micron dry film thickness) in one coat.	
<b>EN 13300 Classification Standard [European Norms]</b>		
Wet Scrub Resistance	Class 2	[TS EN ISO 11998]
Covering Capacity	Class 2 (7.0 m <sup>2</sup> /L)	[TS EN ISO 6504-3]
Grain Size	Fine	[TS EN ISO 1524]
Gloss	Matt	[TS EN ISO 2813]

#### SURFACE PREPARATION

**For bare surfaces** Any dirt and dusts on the application surface should be removed off the surface by mechanical means. Subsurface is important for high paint performance. In order to have a uniform and smooth surface, any irregularities on the fine plasters may be removed by local or complete puttying or plaster. After the putty and plaster gets dry, it should be sanded and dusts should be removed off the surface. Satin Plaster Primer or Isolation Primer (1 cup of isolation primer is diluted with 7 cups of water) should be applied in (1) coat very thin, taking care not to allow it to leave any film on the surface. Before applying the primer and paint, it should be noted that the plaster, putty and gypsum surfaces are completely dry.

**For painted surfaces** Former paints, swollen and loose paint should be scraped off the surface. (Surfaces to apply the paint and primer should be self-supporting) To remove any level difference on the surface, puttying or plaster should be performed and the surface, especially the puttied parts of it, should be thoroughly sanded to eliminate any level difference. Sand dusts should be removed off the surface. Application surface should be dry. Surfaces applied the local putty and plaster, depending on the surface condition, you may apply Satin Plaster Primer or Isolation Primer (1 cup of isolation primer is diluted with 7 cups of water) in 1 coat very thin.

It is recommended to apply one coat of Transition Primer before Silicone Matt paint for surfaces painted formerly with water or solvent-based paint which is dirty or you want to change its color for decorative purpose. Before applying the primer, all formerly painted surface flatted with sanded. It should apply minimum 2 coats of Silicone Matt depending on the surface condition 24 hours after the priming coat has been applied.

#### APPLICATION

**Recommended application tools:** Roller, brush

**Note:** Roller with shorter bristles ensures you get a smooth surface. When you use roller with long bristle, it causes a slight pattern on the surface.

**Dilution medium:** It should be diluted with water.

**Dilution Ratio:** Maximum 10% by volume (In case of over-dilution, you may encounter covering problems.)

**Recommended Primers:** Satin Plaster Primer, Isolation Primer (1 cup of isolation primer is diluted with 7 cups of water), Transition Primer.

**Application:** It should be applied on clean, dry and smooth surfaces with sub-surface treatment performed (putty and primer applied). It should be made homogenous by diluting and stirring according to the dilution ratio. SILICONE MATT is applied minimum of 2 coats by roller. Assure during application that roller movements should be in one direction. You should wait 2 – 4 hours between application coats depending on summer and winter. You should take care no overlapping at cutoffs.



#### CONSIDERATIONS FOR APPLICATION

- Before/after diluting, the paint should be stirred in the pot to make it homogenous before use.
- It is recommended to use products with the same product number on the same surface in order to avoid color shade differences in retouch works.
- Colors made from BM and BC bases should be diluted maximum 5% by volume.
- Ambient and surface temperature for the paint applications should not be below +5 °C and above +35 °C.
- If the application to be made on the putty or satin plaster, Satin Plaster Primer should absolutely be applied as 1 coat.
- Priming Fillers should not be used directly on the putty and plaster.
- Silicone Matt paint should be applied after minimum 24 hours of applying the primer.
- Primer should be applied in one thin coat as not form a film on the surface.
- Application should be performed according to the specified application directions.
- Silicone Matt paint should not be diluted with water more than 10% by volume.
- You should wait 2 – 4 hours between the application coats depending on the ambient and surface temperature.
- Low ambient and surface temperatures should be increased drying time.
- High hiding performance is depending to be performed to the sweeping with roller and minimum 2 coats the paint application, the primer application, waiting time between the coats, accurate dilute rates.
- It is recommended to wipe off the entire wall after wiping it off the local area for better results from the procedure of wiping stain.
- As the precise paint consumption may vary change depending on the surface, it should be determined by test paintwork on the surface to be painted.

#### CLEANING THE APPLICATION TOOLS

Application tools should be cleaned with water immediately after use

#### CHARACTERISTICS RELATED TO ENVIRONMENT AND HUMAN HEALTH

- VOC (Volatile Organic Compounds) limits comply with those specified in "DIRECTIVE 2004/42/CE OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL.
- CIT/MIT in the Paint is below 15ppm.
- It does not contain carbendazim and derivatives.
- It does not contain ethylene-glycol and derivatives.

#### STORAGE CONDITIONS

It should be stored in a place dry, well-ventilated, kept away from heat sources and direct sunlight in the temperature range of +5 °C and +35 °C.

#### OTHER WARNINGS

Hazardous dust and/or smoke may occur during operations such as sanding and burning on the painted surface. Work in well-ventilated spaces. If required, use proper personal protective equipment. Safety Data Sheet is available for any further information, if requested.

**G** Our product has a national mark that indicates it's safe as per the Construction Materials Regulation. The product is manufactured in accordance with the national technical specifications within the scope of Conformity Confirmation System 1.

**TS E** IT CONFORMS TO TS 5808 and TS 5808/T1. Public Works Pos. No. Y.25.003/05-Y.25.003/14- Y.25.003/15-Y.25.003/16 Rate Pos. No. 04.551/01



## PLASTIC MATT



WATER BASED

#### PRODUCT RELEASE

Packaging 2.5 L – 7,5 L - 15 L

COLOUR See Color Chart of Interior

#### FIELDS OF USE

It is for Interior use. It is recommended to apply on smooth and uniform sub-surfaces for providing of appearance properties. Please see the Surface Preparation and Application sections for details

#### CHARACTERISTICS

It is a top coat, matt wall paint for interior use, having high covering and excellent whiteness; easy to apply, and good adhesion properties.

#### TECHNICAL SPECIFICATIONS OF THE PRODUCT

Appearance	Matt, smooth appearance, top coat paint	
Chemical Structure	Acrylic copolymer, latex	
Drying time between coats	Minimum 2-4 hours (20 °C, 50%RH) - High relative humidity and lower temperature can be increase drying time.	
Complete drying	Minimum 24 hours (20 °C, 50%RH) - High relative humidity and lower temperature can be increase drying time.	
Recommended application coat	Minimum 2 coats (may vary depending on the subsurface condition.)	
Consumption (theoretical)	0.065-0.075 L/m2 in one coat	
Covering Power (theoretical)	14 m2/L (at 28±5 micron dry film thickness) in one coat.	
<b>EN 13300 Classification Standard [European Norms]</b>		
Wet Scrub Resistance	Class 2	[TS EN ISO 11998]
Covering Capacity	Class 2 (7m²/L)	[TS EN ISO 6504-3]
Grain Size	Fine	[TS EN ISO 1524]
Gloss	Matt	[TS EN ISO 2813]

#### SURFACE PREPARATION

**For bare surfaces** Any dirt and dusts on the application surface should be removed off the surface by mechanical means. Subsurface is important for high paint performance. In order to have a uniform and smooth surface, any irregularities on the fine plasters may be removed by local or complete puttying or plaster. After the putty and plaster gets dry, it should be sanded and dusts should be removed off the surface. Satin Plaster Primer or Isolation Primer (1 cup of isolation primer is diluted with 7 cups of water) should be applied in (1) coat very thin, taking care not to allow it to leave any film on the surface. Before applying the primer and paint, it should be noted that the plaster, putty and gypsum surfaces are completely dry.

**For painted surfaces** Former paints, swollen and loose paint should be scraped off the surface. (Surfaces to apply the paint and primer should be self-supporting.) To remove any level difference on the surface, puttying or plaster should be performed and the surface, especially the puttied parts of it, should be thoroughly sanded to eliminate any level difference. Sand dusts should be removed off the surface. Application surface should be dry. On surfaces applied the local putty and plaster, depending on the surface condition, you may apply Satin Plaster Primer or Isolation Primer (1 cup of isolation primer is diluted with 7 cups of water) in 1 coat very thin.

It is recommended to apply one coat of Transition Primer before Plastic Matt for surfaces painted formerly with water or solvent-based paint which is dirty or you want to change its color for decorative purpose. Before applying the primer, all formerly painted surface flatted with proper sandpaper. Plastic Matt should apply minimum 2 coats depending on the surface condition 24 hours after the priming coat has been applied.

#### APPLICATION

**Recommended application tools:** Roller, brush

**Note:** Roller with shorter bristles ensures you get a smooth surface. When you use roller with long bristle, it causes a slight pattern on the surface.

**Dilution medium:** It should be diluted with water.

**Dilution Ratio:** Maximum 15-20% by volume (In case of over-dilution, may encounter covering problems.)

**Recommended Primers:** Satin Plaster Primer, Isolation Primer (1 cup of isolation primer is diluted with 7 cups of water), Transition Primer.

**Application:** It should be applied on clean, dry and smooth surfaces with necessary subsurface treatments performed (putty and primer applied). It should be made homogenous by diluting and stirring according to the dilution ratio. PLASTIC MATT is applied minimum 2 coats with a roller. Assure during application that roller movements should be in one direction. You should allow 2 – 4 hours between the application coats depending on ambient and substrate temperature. You should take care no overlapping at cutoffs.



#### CONSIDERATIONS FOR APPLICATION

- Before/after diluting, the paint should be stirred in the pot to make it homogenous before use.
- It is recommended to use products with the same product number on the same surface in order to avoid color shade differences in retouch works.
- Colors made from BM and BC bases should be diluted maximum 5% by volume.
- Ambient and surface temperature for the paint applications should not be below +5 °C and above +35 °C.
- If the application to be made on the putty or satin plaster, Satin Plaster Primer should absolutely be applied as 1 coat.
- Primers containing fillers should not be used directly on the putty and plaster.
- Plastic Matt paint should be applied after minimum 24 hours of applying the primer.
- Primer should be applied in one thin coat as not form a film on the surface.
- Application should be performed according to the specified application directions.
- Plastic Matt paint should not be diluted with water more than 15-20% by volume.
- You should wait 2 – 4 hours between the application coats depending on the ambient and surface temperature.
- Low ambient and surface temperatures should be increased drying time.
- High hiding performance is depending to be performed to the sweeping with roller and minimum 2 coats the paint application, the primer application, waiting time between the coats, accurate dilute ratios.
- It is recommended to wipe off the entire wall after wiping it off the local area for better results from the procedure of wiping stain.
- As the paint consumption may vary change depending on the surface, it should be determined by test paintwork on the surface to be painted.

#### CLEANING THE APPLICATION TOOLS

Application tools should be cleaned with water immediately after use

#### CHARACTERISTICS RELATED TO ENVIRONMENT AND HUMAN HEALTH

- VOC (Volatile Organic Compounds) limits comply with those specified in "DIRECTIVE 2004/42/CE OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL.
- CIT/MIT in the Paint is below 15ppm.
- It does not contain carbendazim and derivatives.
- It does not contain ethylene-glycol and derivatives.

#### STORAGE CONDITIONS

It should be stored in a place dry, well-ventilated, kept away from heat sources and direct sunlight in the temperature range of +5 °C and +35 °C.

#### OTHER WARNINGS

Hazardous dust and/or smoke may occur during operations such as sanding and burning on the painted surface. Work in well-ventilated spaces. If required, use proper personal protective equipment. Safety Data Sheet is available for any further information, if requested.



Our product has a national mark that indicates it's safe as per the Construction Materials Regulation. The product is manufactured in accordance with the national technical specifications within the scope of Conformity Confirmation System 1.



IT CONFORMS TO TS 5808 and TS 5808/T1. Public Works Pos. No: 25.043/1A-25.048/2  
Rate Pos. No. 01/04.551  
TS5808/14.06.2012 and  
TS5808/T1/18.06.2014



## EXPORT MATT



WATER BASED

#### PRODUCT RELEASE

Packaging 2.5 L – 7,5 L - 15 L

COLOUR See Color Chart of Interior

#### FIELDS OF USE

It is for Interior use. It is recommended to apply on smooth and uniform sub-surfaces for providing of appearance properties. Please see the Surface Preparation and Application sections for details.

#### CHARACTERISTICS

It is a top coat matt wall paint for interior use, offensive odor-free; low water absorption property, siliconed, no colour change over time; non-fading; high covering and good adhesion properties.

#### TECHNICAL SPECIFICATIONS OF THE PRODUCT

Appearance	Matt, smooth appearance, top coat paint	
Chemical Structure	Acrylic copolymer, latex	
Drying time between coats	Minimum 2 hours (20 °C, 50%RH) - High relative humidity and lower temperature can be increase drying time.	
Complete drying	Minimum 24 hours (20 °C, 50%RH) - High relative humidity and lower temperature can increase drying time.	
Recommended application coat	Minimum 2 coats (may vary depending on the subsurface condition.)	
Consumption (theoretical)	0.065-0.075 L/m <sup>2</sup> in one coat	
Covering Power (theoretical)	15 m <sup>2</sup> /L (at 28±5 micron dry film thickness) in one coat	
<b>EN 13300 Classification Standard [European Norms]</b>		
Wet Scrub Resistance	Class 2	[TS EN ISO 11998]
Covering Capacity	Class 3 (7,5 m <sup>2</sup> /L)	[TS EN ISO 6504-3]
Grain Size	Fine	[TS EN ISO 1524]
Gloss	Matt	[TS EN ISO 2813]

#### SURFACE PREPARATION

**For bare surfaces** Any dirt and dusts on the application surface should be removed off the surface by mechanical means. Subsurface is important for high paint performance. In order to have a uniform and smooth surface, any irregularities on the fine plasters may be removed by local or complete puttying or plaster. After the putty and plaster gets dry, it should be sanded and dusts should be removed off the surface. Satin Plaster Primer or Isolation Primer (1 cup of isolation primer is diluted with 7 cups of water) should be applied in (1) coat very thin, taking care not to allow it to leave any film on the surface. Before applying the primer and paint, it should be noted that the plaster, putty and gypsum surfaces are completely dry.

**For painted surfaces** : Former paints, swollen and loose paint should be scraped off the surface. (Surfaces to apply the paint and primer should be self-supporting.) To remove any level difference on the surface, puttying or plaster should be performed and the surface, especially the puttied parts of it, should be thoroughly sanded to eliminate any level difference. Sand dusts should be removed off the surface. Application surface should be dry. Surfaces applied the local putty and plaster, depending on the surface condition, you may apply Satin Plaster Primer or Isolation Primer (1 cup of isolation primer is thinned with 7 cups of water) in 1 coat very thin.

It is recommended to apply 1 coat of Transition Primer before Export Matt for surfaces painted formerly with water or solvent-based paint which is dirty or you want to change its color for decorative purpose. Before applying the primer, all formerly painted surface flattened with sanded. Export Matt should apply minimum 2 coats depending on the surface condition 24 hours after the priming coat has been applied.

#### APPLICATION

**Recommended application tools:** Roller, brush

**Note:** Roller with shorter bristles ensures you get a smooth surface. When you use roller with long bristle, it causes a slight pattern on the surface.

**Dilution medium:** It should be diluted with water.

**Dilution Ratio:** Maximum 10% by volume (In case of over-dilution, may encounter covering problems.)

**Recommended Primers:** Satin Plaster Primer, Isolation Primer (1 cup of isolation primer is diluted with 7 cups of water), Transition Primer.

**Application:** It should be applied on clean, dry and smooth surfaces with necessary subsurface treatments performed (putty and primer applied). It should be made homogenous by diluting and stirring according to the dilution rate. EXPORT MATT is applied minimum of 2 coats with a roller. Assure during application that roll movements should be in one direction. You should allow 2 – 4 hours between the application coats depending on being summer and winter. You should take care no overlapping at cutoffs.



## CEILING PAINT

WATER BASED

### CONSIDERATIONS FOR APPLICATION

- Before/after diluting, the paint should be stirred in the pot to make it homogenous before use.
- It is recommended to use products with the same product number on the same surface in order to avoid color shade differences in retouch works.
- Colors made from BM and BC bases should be diluted maximum 5% by volume.
- Ambient and surface temperature for the paint applications should not be below +5 °C and above +35 °C.
- If the application to be made on the putty or satin plaster, Satin Plaster Primer should absolutely be applied as 1 coat.
- Primers containing fillers should not be used directly on the satin plaster and putty.
- Export Matt paint should be applied after minimum 24 hours of applying the primer.
- Primer should be applied in one thin coat as not form a film on the surface.
- Application should be performed according to the specified application directions.
- Export Matt paint should not be diluted with water more than 10% by volume.
- You should wait 2 – 4 hours between the application coats depending on the ambient and surface temperature.
- Low ambient and surface temperatures should be increased drying time.
- High hiding performance is depending to be performed to the sweeping with roller and minimum 2 coats the paint application, the primer application, waiting time between the coats, accurate dilute ratios.
- It is recommended to wipe off the entire wall after wiping it off the local area for better results from the procedure of wiping stain.
- As the precise paint consumption may vary change depending on the surface, it should be determined by test paintwork on the surface to be painted.

### CLEANING THE APPLICATION TOOLS

Application tools should be cleaned with water immediately after use

### CHARACTERISTICS RELATED TO ENVIRONMENT AND HUMAN HEALTH

- VOC (Volatile Organic Compounds) limits comply with those specified in "DIRECTIVE 2004/42/CE OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL.
- CIT/MIT in the Paint is below 15ppm.
- It does not contain carbendazim and derivatives.
- It does not contain ethylene-glycol and derivatives.

### STORAGE CONDITIONS

It should be stored in a place dry, well-ventilated, kept away from heat sources and direct sunlight in the temperature range of +5 °C and +35 °C.

### OTHER WARNINGS

Hazardous dust and/or smoke may occur during operations such as sanding and burning on the painted surface. Work in well-ventilated spaces. If required, use proper personal protective equipment. Safety Data Sheet is available for any further information, if requested.

**G** Our product has a national mark that indicates it's safe as per the Construction Materials Regulation. The product is manufactured in accordance with the national technical specifications within the scope of Conformity Confirmation System 1.

**TSE** IT CONFORMS TO TS 5808 and TS 5808/T1. Public Works Pos. No: 25.043/1A-25.048/2  
Rate Pos. No. 01/04.551  
TS5808/14.06.2012 and  
TS5808/T1/18.06.2014

### PRODUCT RELEASE

Packaging **3,5 KG – 10 KG- 17,5KG**

**COLOUR** See Color Chart of Interior

### FIELDS OF USE

It is for Interior use. It is recommended to apply on smooth and uniform sub-surfaces for providing of appearance properties. Please see the Surface Preparation and Application sections for details.

### CHARACTERISTICS

It is specially developed to use for painting ceiling, easy to apply, featuring good Hiding Power, excellent whiteness, and breathable.

### TECHNICAL SPECIFICATIONS OF THE PRODUCT

Appearance	Matt, smooth appearance, top coat paint	
Chemical Structure	Acrylic copolymer, latex	
Drying time between coats	Minimum 2 hours (20 °C, 50%RH) - High relative humidity and low temperature can be increase drying times.	
Complete drying	Minimum 24 hours (20 °C, 50%RH) - High relative humidity and low temperature can be increase drying times.	
Recommended application coat	Minimum 2 coats (may vary depending on the subsurface condition.)	
Consumption (theoretical)	0.065-0.075 L/m <sup>2</sup> in one coat	
Covering Power (theoretical)	14 m <sup>2</sup> /L (at 28±5 micron dry film thickness) in one coat.	
<b>EN 13300 Classification Standard [European Norms]</b>		
Wet Scrub Resistance	Class 5	[TS EN ISO 11998]
Covering Capacity	Class 2 (7 m <sup>2</sup> /L)	[TS EN ISO 6504-3]
Grain Size	Fine	[TS EN ISO 1524]
Gloss	Matt	[TS EN ISO 2813]

### SURFACE PREPARATION

**For bare surfaces** Any dirt and dusts on the application surface should be removed off the surface by mechanical means. Subsurface is important for high paint performance. In order to have a uniform and smooth surface, any irregularities on the fine plasters may be removed by local or complete puttying or plaster. After the putty and plaster gets dry, it should be sanded and dusts should be removed off the surface. For enhance the paint adherence and performance, Satin Plaster Primer or Isolation Primer (1/7) should be applied in (1) coat very thin, taking care not to allow it to leave any film on the surface.

**For painted surfaces** Former paints, swollen and loose paint should be scraped off the surface. (Surfaces to apply the paint and primer should be self-supporting.) To remove any level difference on the surface, puttying or plaster should be performed and the surface, especially the puttied parts of it, should be thoroughly sanded to eliminate any level difference. Sand dusts should be removed off the surface. Application surface should be dry. Surfaces applied the local putty and plaster, for enhance the paint adherence and performance, Satin Plaster Primer or Isolation Primer (1 cup of primer is diluted with 7 cups of water) should be applied in (1) coat very thin, taking care not to allow it to leave any film on the surface.

For surfaces painted formerly which is dirty or you want to change its color for decorative purpose, the Ceiling Paint should be apply in minimum 2 coats depending on the surface condition.

### APPLICATION

**Recommended application tools:** Roller, brush

**Note:** Roller with shorter bristles ensures you get a smooth surface. When you use roller with long bristle, it causes a slight pattern on the surface.

**Dilution medium:** It should be diluted with water.

**Dilution Ratio:** Maximum 10% by volume (In case of over-dilution, may encounter covering problems.)

**Recommended Primers:** Satin Plaster Primer, Isolation Primer (1 cup of isolation primer is diluted with 7 cups of water), Transition Primer.

**Application:** It should be made homogenous by diluting and stirring according to the dilution ratio. Ceiling Paint is applied minimum of 2 coats with a roller. Assure during application that roller movements should be in one direction and cross coat application are performed. You should allow 2 – 4 hours between the application coats depending on its being summer and winter. You should take care no overlapping at cut-offs.



## PASTEL SEMI-MATT



SOLVENT-BASED

### CONSIDERATIONS FOR APPLICATION

- It is recommended to use products with the same product number on the same surface in order to avoid color shade differences in retouch works.
- As the final paint consumption may vary change as depending the surface, it should be determined by test paintwork on the surface to be painted.
- Ambient and surface temperature for the paint applications should not be below +5 °C and above +35 °C.
- If the application to be made on the putty or satin plaster, Satin Plaster Primer should absolutely be applied as 1 coat
- Ceiling Paint should be applied after minimum 24 hours of applying the primer.
- Primer should be applied in one thin coat as not form a film on the surface.
- Application should be performed according to the specified application directions.
- Ceiling paint should not be diluted with water more than 10% by volume.
- You should wait 2 – 4 hours between the application coats depending on the ambient and surface temperature.
- Low ambient and surface temperatures should be increased drying time.
- High hiding performance is depending to be performed of the sweeping and minimum 2 coats the paint application, the primer application, waiting time between the coats, accurate dilute ratios.

### CLEANING THE APPLICATION TOOLS

Application tools should be cleaned with water immediately after use

### CHARACTERISTICS RELATED TO ENVIRONMENT AND HUMAN HEALTH

- VOC (Volatile Organic Compounds) limits comply with those specified in "DIRECTIVE 2004/42/CE OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL.
- CIT/MIT in the Paint is below 15ppm.
- It does not contain carbendazim and derivatives.
- It does not contain ethylene-glycol and derivatives.

### STORAGE CONDITIONS

It should be stored in a place dry, well-ventilated, kept away from heat sources and direct sunlight in the temperature range of +5 °C and +35 °C.

### OTHER WARNINGS

Hazardous dust and/or smoke may occur during operations such as sanding and burning on the painted surface. Work in well-ventilated spaces. If required, use proper personal protective equipment. Safety Data Sheet is available for any further information, if requested.



Our product has a national mark that indicates it's safe as per the Construction Materials Regulation. The product is manufactured in accordance with the national technical specifications within the scope of Conformity Confirmation System 1.



IT CONFORMS TO TS 5808 and TS 5808/T1. Public Works Pos. No: 25.043/1A-25.048/2  
Rate Pos. No. 01/04.551  
TS5808/14.06.2012 and  
TS5808/T1/18.06.2014

### PRODUCT RELEASE

Packaging 0,75 L - 1 L - 2,5 L - 7,5 L - 15 L

COLOUR See Color Chart of Interior

### FIELDS OF USE

It is used for decorative purpose on interior and exterior surfaces of all kinds of structural components such as plaster, putty, plasterboard, conventional plaster, concrete, gas concrete, paper coating, brick, interior and exterior metal surfaces, wood and etc.

### CHARACTERISTICS

It is a decorative topcoat paint of semi-matt appearance, soft, elastic, wipeable which can be used the high-quality interior and exterior, on the structural components made of concrete, wood, metal, gypsum, plaster, etc. after proper putty and primer agents, having excellent coating, high adhesion, good dispersion property.

### TECHNICAL SPECIFICATIONS OF THE PRODUCT

Appearance	Semi-matt, smooth top coat paint
Chemical Structure	Long oil alkyd resins
Drying time between coats	12 hours - Relatively high humidity and lower temperature can increase drying times.
Complete drying	Maximum 48 hours - Relatively high humidity and lower temperature can increase drying times.
Recommended application coat	Minimum 2 coats (may vary depending on the subsurface condition.)
Covering Power (theoretical)	20 m <sup>2</sup> /L (at 28±5µ dry film thickness).
<b>EN 13300 Classification Standard [European Norms]</b>	
Gloss	15-25
Permanent material (by weight)	%67-%75 (vary depending on color)
Viscosity	85-95 KU/25 °C
Flash Poin	Min.38 °C

### SURFACE PREPARATION

#### For Bare Surfaces

**Metal Surfaces:** If there are irregularities on the surface, they are eliminated by use of proper metal putty. The surface is sanded off. 1 coat of Enamel Antirust is used. If more generous film is desired, you may apply 1 coat of Enamel Synthetic Primer 12 hours after application of Marshall Enamel Antirust. The surface becomes ready to apply Pastel Semi-Matt 12 hours after application of antirust and primer.

**Wooden Surfaces:** In order to provide better preservation, it is recommended to use 1 coat of 'Cuprinol Woodart - for Ultra Natural Woods' on raw wooden surfaces to be painted for the first time. The surface irregularities onto wood should be eliminated by Marshall Putty SN. Upon sanding the putty, 1 coat of Marshall Enamel Synthetic Primer may be used on the surface thoroughly. The surface is ready to apply Pastel Semi-Matt 12 hours after the primer.

**Walls:** If there are irregularities on the surface, they are eliminated by use of proper putty or plaster. Upon sanding the putty and plaster, 1 coat of Satin Plaster Primer or Isolation Primer (1 cup of isolation primer is diluted with 7 cups of water) applied on the surface thoroughly. For the surface smoothness, 1 coat of Marshall Enamel Synthetic Primer is applied. Surface becomes ready to apply Pastel Semi-Matt 12 hours after the application.

**For painted surfaces** Former paints, swollen and loose paint should be scraped off onto the surface. (Surfaces to apply the paint and primer should be self-supporting.) To remove any level difference on the surface, puttying or plaster should be performed and the surface, especially the puttied parts of it, should be thoroughly sanded to eliminate any level difference. Sand dusts should be removed off the surface. Application surface should be dry. Surfaces applied the local putty and plaster, depending on the surface condition, you may apply Satin Plaster Primer or Isolation Primer (1 cup of isolation primer is diluted with 7 cups of water) in 1 coat very thin.

It is recommended to apply one coat of Transition Primer before Pastel Semi-Matt for surfaces painted formerly with water based paint which is dirty or you want to change its color for decorative purpose. It is recommended to apply Enamel Synthetic Primer if it has been formerly used solvent based paint. Before applying the primer, all the formerly painted surface flatted with sanded with proper sandpaper. It should apply minimum 2 coats of Pastel Semi-Matt depending on the surface condition 12 hours after the priming coat has been applied.

### APPLICATION

**Recommended application tools:** Roller and brush. If desired, a spray gun can also be used.

**Dilution medium:** 10 parts Marshall Pastel Semi-Matt Paint is diluted with 1 part Marshall Synthetic Thinner of 5-10%. If it is diluted excessively, it may cause runoff and covering problems.

**Recommended Primers:** Marshall Satin Plaster Primer, Cuprinol Woodart for Ultra Natural Woods, Marshall Putty SN or Marshall Enamel Synthetic Primer. If there are putty and plaster applied on the wall surfaces, you may apply Marshall Isolation Primer (1 cup of isolation primer is thinned with 7 cups of water).

**Application:** Diluted according to the specified dilution rates, Marshall Pastel Semi-Matt paint is stirred till it becomes homogenous. On the dry and clean surfaces with subsurface treatment completed, it is applied in 2 coats by using one of the recommended application tools. Care should be shown to move the brush or roller in the same direction during application. Otherwise, waves color tones may appear. 2<sup>nd</sup> coat should be applied after 12 hours same as the 1<sup>st</sup> coat.



## PASTEL MATT



SOLVENT-BASED

### CONSIDERATIONS FOR APPLICATION

- Before/after diluting, the paint should be stirred in the pot to make it homogenous before use.
- Ambient and surface temperature for the paint applications should not be below +5 °C and above +35 °C.
- Primers containing fillers should not be used directly on the satin plaster and putty.
- Pastel Semi-Matt should be applied after minimum 24 hours of applying the primer.
- Primer should be applied in one coat.
- Application should be performed according to the specified application directions.
- Pastel Semi-Matt is diluted with synthetic thinner of 5-10% by volume.
- You should wait 12 hours between the application coats depending on the ambient and surface temperature.
- Low ambient and surface temperatures should be increased drying time.
- High hiding performance is depending to be performed to the sweeping and minimum 2 coats the paint application, the primer application, waiting time between the coats, accurate dilute ratios.
- It is recommended to wipe off the entire wall after wiping it off the local area for better results from the procedure of wiping stain.
- As the precise paint consumption may vary change depending on the surface, it should be determined by test paintwork on the surface to be painted.
- It is recommended to use products with the same product number on the same surface in order to avoid color shade differences in retouch works.
- Colors made from BM and BC bases should be diluted maximum 5% by volume.

### CLEANING THE APPLICATION TOOLS

The product does not contain lead, heavy metals and chromates. Raw materials used in product have been selected according to Akzo Nobel Product Stewardship Visions, which are prepared and updated according to the Directives of European Union, paying regard to environmental and human health. Although not restricted for use in Turkey, a number of raw materials, which have been restricted in European Union due to objections to their use for human and environmental health, are not used in our products.

- \* It does not contain Ethylene-Glycol and derivatives.

### STORAGE CONDITIONS

It should be stored in a place dry, well-ventilated, kept away from heat sources and direct sunlight in the temperature range of +0 °C and +35 °C.

### OTHER WARNINGS

Hazardous dust and/or smoke may occur during operations such as sanding and burning on the painted surface. Work in well-ventilated spaces. If required, use proper personal protective equipment. Safety Data Sheet is available for any further information, if requested.

**G** Our product has a national mark that indicates it's safe as per the Construction Materials Regulation. The product is manufactured in accordance with the national technical specifications within the scope of Conformity Confirmation System 1.

IT CONFORMS TO TS39 and TS 39/T1.

TS 39/18.02.2016  
TS 39/24.03.2016

### PRODUCT RELEASE

Packaging 0,75 L - 2,5 L

COLOUR Color Chart of Interior

### FIELDS OF USE

It is used for decorative purpose on interior and exterior surfaces of all kinds of structural components such as plaster, putty, plasterboard, conventional plaster, concrete, gas concrete, paper coating, brick, metal surfaces, wood and etc.

### CHARACTERISTICS

It is a decorative and preservative topcoat paint of semi-matt, soft, elastic, and wipeable appearance which can be used on high-quality interior and exterior structural components made of concrete, wood, metal, gypsum, plaster, etc. after proper putty and primer agents, having excellent coating power, high adhesion, and good dispersion property.

### TECHNICAL SPECIFICATIONS OF THE PRODUCT

Appearance	Matt, smooth, top coat paint
Chemical Structure	Long oil alkyd resins
Complete drying	Maximum 48 hours - High relative humidity and lower temperature can be increase drying time.
Drying time between coats	Minimum 12 hours - High relative humidity and lower temperature can be increase drying time.
Recommended application coat	Minimum 2 coats
Covering Capacity (theoretical)	20 m <sup>2</sup> /L (at 28±5µ dry film thickness).
<b>EN 13300 Classification Standard [European Norms]</b>	
Gloss	(60o) Maximum 10
Permanent material (by weight)	77%-83.5%
Viscosity	85-95 KU/25 °C
Flash Point	Min.38 °C
Dilution medium	Marshall Thinner Synthetic

### SURFACE PREPARATION

#### Bare Surfaces:

**Metal Surfaces** If there are irregularities on the surface, they are eliminated by use of proper metal putty. Surface is sanded off. 1 coat of Enamel Antirust is used. If more generous film is desired, you may apply 1 coat of Marshall Enamel Synthetic Primer 12 hours after application of Marshall Enamel Antirust. Surface is ready to apply Marshall Pastel Matt 12 hours after application of Marshall antirust and primer.

**Wooden Surfaces:** In order to provide better strength, it is recommended to use 1 coat of 'Cuprinol Wood Art' for Ultra Solvent Based Natural Woods on raw wooden surfaces to be painted for the first time. Surface irregularities on the wood should be eliminated by Marshall Putty SN. Upon sanding the putty, 1 coat of Marshall Enamel Synthetic Primer may be used on the surface thoroughly. The surface is ready to apply Marshall Pastel Matt 12 hours after the primer.

**Walls:** If there are irregularities on the surface, they are eliminated by use of proper putty and plaster. Upon sanding the putty and plaster, 1 coat of Satin Plaster Primer or Isolation Primer (1 cup of isolation primer is diluted with 7 cups of water) applied on the surface thoroughly. For the surface smoothness, 1 coat of Marshall Enamel Synthetic Primer is applied. Surface becomes ready to apply Marshall Pastel Matt 12 hours after the application.

**Formerly painted surfaces** Former paints, swollen and loose paint should be scraped off the surface. (Surfaces to apply the paint and primer should be self-supporting.) To remove any level difference on the surface, puttying or plaster should be performed and the surface, especially the puttied parts of it, should be thoroughly sanded to eliminate any level difference. Sand dusts should be removed off the surface. Application surface should be dry. Surfaces applied the local putty and plaster, you may apply Satin Plaster Primer or Isolation Primer (1 cup of isolation primer is diluted with 7 cups of water) in 1 coat very thin. It is recommended to apply one coat of Transition Primer before Pastel Matt for surfaces painted formerly with water-based paint which is dirty or you want to change its color for decorative purpose. If the surfaces painted formerly with solvent based paint, it is recommended to apply Enamel Synthetic Primer. Before applying the primer, all formerly painted surface flatted with sanded. It should apply minimum 2 coats of Pastel Matt depending on the surface condition 12 hours after the priming coat has been applied. painted surface flatted with sanded. It should apply minimum 2 coats of Pastel Matt depending on the surface condition 12 hours after the priming coat has been applied.

### APPLICATION

**Recommended application tools:** Roller and brush. If desired, a spray gun can also be used.

**Dilution medium:** 10 parts Marshall Pastel Matt Paint is diluted with 1 part Marshall Synthetic Thinner of %-10%. In case of over-dilutions, it may cause runoff and covering problems.

**Recommended Primers:** Marshall Enamel Antirust, Cuprinol Woodart for Ultra Solvent Based Natural Woods, Marshall Enamel Synthetic Primer. If there are putty or plaster on the surface, it is recommended to apply Satin Plaster Primer and/or Marshall Isolation Primer.

**Application:** Diluted according to the specified dilution ratios, Marshall Pastel Matt paint is stirred till it becomes homogenous. On the dry and clean surfaces with subsurface treatment completed (1 cup of isolation primer is diluted with 7 cups of water), it is applied in 2 coats by using one of the recommended application tools. Care should be shown to move roll in the one direction during application. Otherwise, waves color tones may appear. 2<sup>nd</sup> coat should be applied after 12 hours same as the 1<sup>st</sup> coat.



#### CONSIDERATIONS FOR APPLICATION

- Before/after diluting, the paint should be stirred in the pot to make it homogenous before use.
- It is recommended to use products with the same product number on the same surface in order to avoid color shade differences in retouch works.
- Colors made from BM and BC bases should be diluted maximum 5% by volume.
- Ambient and surface temperature for the paint applications should not be below +5 °C and above +35 °C.
- If the application to be made on putty or satin plaster, Satin Plaster Primer should absolutely be applied as 1 coat.
- Pastel Matt should be applied after minimum 24 hours of applying the primer.
- Primer should be applied in one thin coat as not form a film on the surface.
- Application should be performed according to the specified application directions.
- Pastel Matt should be diluted with synthetic thinner of 5-10% by volume.
- You should wait 12 hours between the application coats depending on the ambient and surface temperature.
- Low ambient and surface temperatures should be increased drying time.
- High hiding performance is depending to be performed to the sweeping with roller and minimum 2 coats the paint application, the primer application, waiting time between the coats, accurate dilute ratios.

#### CHARACTERISTICS RELATED TO ENVIRONMENT AND HUMAN HEALTH

The product does not contain lead, heavy metals and chromates. Raw materials used in the product have been selected according to Akzo Nobel Product Stewardship Visions, which are prepared and updated according to the Directives of European Union, paying regard to environmental and human health. Although not restricted for use in Turkey, a number of raw materials, which have been restricted in European Union due to objections to their use for human and environmental health, are not used in our products.

- It does not contain Ethylene-Glycol and derivatives.

#### STORAGE CONDITIONS

It should be stored in a place dry, well-ventilated, kept away from heat sources and direct sunlight in the temperature range of +0 °C and +35 °C.

#### OTHER WARNINGS

Hazardous dust and/or smoke may occur during operations such as sanding and burning on the painted surface. Work in well-ventilated spaces. If required, use proper personal protective equipment. Safety Data Sheet is available for any further information, if requested.

**G** Our product has a national mark that indicates it's safe as per the Construction Materials Regulation. The product is manufactured in accordance with the national technical specifications within the scope of Conformity Confirmation System 1.

**TSE** IT CONFORMS TO TS39 and TS 39/T1.

TS 39/18.02.2016  
TS 39/T1/24.03.2016



## TRANSFER PRIMER



WATER BASED

#### PRODUCT RELEASE

Packaging 2,5 L - 7,5 L - 15 L

COLOUR White

#### FIELDS OF USE

It is for Interior use. It is recommended to apply on smooth and uniform sub-surfaces for providing of appearance properties. Please see the Surface Preparation and Application sections for details.

#### CHARACTERISTICS

It is a hiding primer offensive odor-free; water-dilutable. It is used for interiors under topcoat paints of water or solvent-based, especially for applications of water-based paint on solvent-based paint. It reduces absorbency on the application surfaces, improving covering power of the topcoat. It ensures preparation of smooth and durable sub-surface for the topcoat, reducing consumption of the topcoat.

#### TECHNICAL SPECIFICATIONS OF THE PRODUCT

Appearance	Hiding primer with smooth appearance
Chemical Structure	Acrylic copolymer, latex
Consumption (theoretical)	0.060-0.070 L/m <sup>2</sup> in one coat.
Topcoat paint application	Recommended to wait for 24 hours for topcoat paint on it.
Recommended application coat	1 coat
Covering power (theoretical)	15 m <sup>2</sup> /L in one coat

#### SURFACE PREPARATION

**For bare surfaces** The surfaces on which TRANSITION PRIMER to be applied, should be removed any grease, dust and similar contaminants by detergent water or wiping. Dry, dust-free, clean surface is ready for TRANSITION PRIMER application. You should be used Satin Primer instead of TRANSITION PRIMER for surfaces on which satin plaster or putty is used.

**For painted surfaces** Former paints, loose and peeling paint on the surface, should be scraped off the surface. (Surfaces to apply the paint and primer should be self-supporting.) To remove any level difference on the surface, local puttying should be performed by putty and the surface, especially the puttied parts of it, should be thoroughly sanded to eliminate any level difference. Sand dusts should be removed off the surface. Application surface should be dry. TRANSITION PRIMER is applied 1 coat on the surfaces painted formerly with water or solvent based paints previously, got dirty or colour of which shall be changed for decorative purpose, resulting in reduction of the topcoat paint consumption.

#### APPLICATION

**Recommended application tools:** Roller and brush.

**Note:** Roller with shorter bristles ensures you get a smooth surface. When you use roll with long bristle, it causes a slight pattern on the surface.

**Dilution medium:** It should be diluted with water.

**Dilution Amount:** Maximum 10%.

**Recommended Primers:** Water based top-coat interior paints.

**Application:** It should be applied on clean, dry and smooth surface, with subsurface treatments completed (putty and primer applied). It should be made homogenous by diluting and stirring according to the dilution rate. TRANSITION PRIMER is applied in 1 coat by roller. Assure during application that roller movements should be in one direction.



## SATIN PLASTER PRIMER



WATER BASED

### CONSIDERATIONS FOR APPLICATION

- Before use, the paint should be stirred in the pot to make it homogenous.
- As the precise paint consumption may vary change as depending the surface, it should be determined by test paintwork on the surface to be painted.
- Ambient and surface temperature for the paint applications should not be below +5 °C and above +35 °C.
- Application should be performed according to the specified application directions.
- TRANSITION PRIMER should not be diluted with water more than 10% by volume.
- Recommended to wait for 24 hours for topcoat paint on it.

### CLEANING THE APPLICATION TOOLS

Application tools should be cleaned with water immediately after use.

### CHARACTERISTICS RELATED TO ENVIRONMENT AND HUMAN HEALTH

- VOC (Volatile Organic Compounds) limits comply with those specified in "DIRECTIVE 2004/42/CE OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL.
- CIT/MIT in the Paint is below 15ppm.
- It does not contain Carbendazim and derivatives.
- It does not contain Ethylene-Glycol and derivatives.

### STORAGE CONDITIONS

It should be stored in a place dry, well-ventilated, kept away from heat sources and direct sunlight in the temperature range of +5 °C and +35 °C.

### OTHER WARNINGS

Hazardous dust and/or smoke may occur during operations such as sanding and burning on the painted surface. Work in well-ventilated spaces. If required, use proper personal protective equipment. Safety Data Sheet is available for any further information, if requested. There is no Turkish Standard (TS) yet published for water-based primer applications. It is presented for your consumption with Marshall quality and service concept.

### PRODUCT RELEASE

Packaging 0,75 L - 4 L - 15 L

COLOUR Blue

### FIELDS OF USE

It is used on the interior surfaces of the structural members such as especially surfaces satin plaster, conventional plaster, gross concrete, gas concrete, gypsum board, putted surface.

### CHARACTERISTICS

Thanks to its powerful binding feature and micro granular structure, it binds the free granules, permeating into the surface deeply and thus ensures and the topcoat paint to adhere well to the surface. Furthermore, it reduces absorbing capacity of the surface, thus resulting in reduced consumption of the topcoat paint. It is developed to apply in one coat very thinly on the interior walls, especially following the satin plaster and similar putty applications. When applied on the satin plaster surface, it is specially designed as a coloured primer be distinguished it.

### TECHNICAL SPECIFICATIONS OF THE PRODUCT

Appearance	Blue (As the paint dries, its blue appearance will be transparent. When the product is dried, it will reveal the primer application in a very light-blue form)
Chemical Structure	Vinyl acetate, latex,
Complete drying	Minimum 24 hours
Recommended application coat:	One very thin-coat as not to leave any film on the surface.
Consumption (theoretical)	(0.040-0.060L/m <sup>2</sup> ) in one coat.
Covering Power (theoretical)	25 m <sup>2</sup> /L in one coat

### SURFACE PREPARATION

**For bare surfaces** Free dust and dirt on the surface are cleaned of by brushing, wiping or sanding, Surface irregularities is removed by applying 1 coat of satin plaster and putty on the surface. After the satin primer and putty gets dry, surface is sanded off. Sanding dusts are wiped off. SATIN PLASTER PRIMER is applied in a very thin coat min. 24 hours after application of satin plaster and putty (depending on ambient temperature). It is specially designed as coloured to be distinguished on surfaces applied of it.

**For painted surfaces** Any loose and peeling paints on the surface, should be cleaned off the surface. (Surfaces to apply the paint and primer should be self-supporting.) Any irregularity of level on the surface should be filled with satin plaster and putty. And subsequently, if desired, 1 coat of satin plaster or putty is applied on the surface thoroughly and it is sanded off after satin plaster and putty gets dry. Entire surface should be slightly sanded and free dusts on the surface is removed. SATIN PLASTER PRIMER is applied in a very thin 1 coat on the surface after the satin plaster and putty after completely dry. It is specially designed as coloured for be distinguished on surfaces applied of it.

### APPLICATION

**Recommended application tools:** Roller and brush.

**Note:** Roller with shorter bristles ensures you get a smooth surface. When you use roller with long bristle, it causes a slight pattern on the surface.

**Dilution medium:** It does not require dilution. It is ready to apply.

**Recommended Primers:** All water-based interior wall paints.

**Application:** It is very important to apply it in a very thin coat, avoiding of overlay at the cutoff areas and showing care it does not create film on the surface. Otherwise, weak adhesion and cracks are seen the topcoat paint to be applied on it. Marshall Satin Plaster Primer is making visible the surfaces applied on it thanks to its blue color. 24 hours after the application of SATIN PLASTER PRIMER, water based interior paints can be applied on it.



## INTERIOR FILLER



WATER BASED

### CONSIDERATIONS FOR APPLICATION

- Before use, the paint should be stirred in the pot to make it homogenous.
- As the precise paint consumption may vary change as depending the surface, it should be determined by test paintwork on the surface to be painted.
- Ambient and surface temperature for the paint applications should not be below +5 °C and above +35 °C.
- Application should be performed according to the specified application directions.
- SATIN PLASTER PRIMER is ready to use.
- Recommended to wait for 24 hours for topcoat paint on it.

### CLEANING THE APPLICATION TOOLS

Application tools should be cleaned with water immediately after use.

### CHARACTERISTICS RELATED TO ENVIRONMENT AND HUMAN HEALTH

- VOC (Volatile Organic Compounds) limits comply with those specified in "DIRECTIVE 2004/42/CE OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL.
- CIT/MIT in the Paint is below 15ppm.
- It does not contain Carbendazim and derivatives.
- It does not contain Ethylene-Glycol and derivatives.

### STORAGE CONDITIONS

It should be stored in a place dry, well-ventilated, kept away from heat sources, direct sunlight and freeze, in the temperature range of +5 °C and +35 °C.

### OTHER WARNINGS

Hazardous dust and/or smoke may occur during operations such as sanding and burning on the painted surface. Work in well-ventilated spaces. If required, use proper personal protective equipment. Safety Data Sheet is available for any further information if requested. There is no Turkish Standard (TS) yet published for water-based primer applications. It is presented for your consumption with Marshall quality and service concept.

### PRODUCT RELEASE

Packaging 4.5 KG – 25 KG

COLOUR Off-White

### FIELDS OF USE

It is developed for use on interior wall and ceiling surfaces. Used on the internal surfaces of all kinds of building elements such as cement-based plaster, gross concrete, gypsum panel board, wood, chipboard. It can be used safely to create a smooth surface before the application on surfaces to be applied in all kinds of interior paints, glass textile coating and wall paper to be applied.

### CHARACTERISTICS

It is acrylic copolymer emulsion-based that containing various minerals, high moisture resistant, ready to use, surface leveling putty.

### TECHNICAL SPECIFICATIONS OF THE PRODUCT

Appearance	Cream color, solid mixture with heavy consistency
Chemical Structure	Acrylic copolymer emulsion
Drying time between coats	Minimum 2 hours (20 °C, 50% relative humidity)
Complete drying	24 hours (20 °C, 50% relative humidity) Higher relative humidity and lower temperature can be increase drying time.
Recommended application coat	2 coats (may vary depending on the subsurface condition.)
Drying time between coats	2-4 hours. You may sand it after 24 hours.
Consumption (Practice)	0.500-1.000 kg/m <sup>2</sup> in 2 coats (may vary depending of the texture type and absorptive of the subsurface.)
Application temperature	(+5 °C) – (+35 °C)

### SURFACE PREPARATION

**For bare surfaces** It should be waited minimum 28 days for curing of the surface before applied on the new mineral surfaces. The application surface should be removed from all kinds of dirt, dust, molding oil, loose flakes and it to make the strong, dry, clean and self-supporting. Loose plaster grout and particles should be removed from the surface by ways such as scraping.

**For painted surfaces** In the case of highly absorbing and dusty surfaces, Satin Plaster Primer or Isolation Primer are diluted 1/7 until the surface is saturated; in the case of the raw plastered interior surfaces which is very low absorbing ability and no dusting capacity, it should be applied in 1 coat. The primers specified, you should well stir with Acrylic Interior Wall Putty well before application. Be careful that the application surface should be dry and free of dust. Depending roughness of the substrate, the Interior Wall Putty should be applied (until the desired smooth surface is achieved) in one or 2 coats by spatula or flexible steel trowel or spray gun.

### APPLICATION

**Recommended application tools:** Trowel, spatula or spray gun.

### CONSIDERATIONS FOR APPLICATION

- Before use, stirred the putty in the container to make it homogenous .
- The surface and ambient temperature in the application and drying time should be between +5 °C and +35 °C.
- Putty applied surfaces should be protected from very wind and direct sunlight.



#### CHARACTERISTICS RELATED TO ENVIRONMENT AND HUMAN HEALTH

- VOC (Volatile Organic Compounds) limits comply with those specified in "DIRECTIVE 2004/42/CE OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL.
- CIT/MIT in the Paint is below 15ppm.
- It does not contain carbendazim and derivatives.
- It does not contain ethylene-glycol and derivatives.

#### STORAGE CONDITIONS

It should be stored in places dry, well-ventilated, kept away from heat sources and direct sunlight in the temperature range of +5 °C and +35 °C. It is recommended that the packaged material be consumed within 2 years. For precise consumption should be made the controlled test paint.

#### OTHER WARNINGS

Hazardous dust and/or smoke may occur during operations such as sanding and burning on the painted surface. Work in well-ventilated spaces. If required, use proper personal protective equipment. Safety Data Sheet is available for any further information if requested. There is no Turkish Standard (TS) yet published for water-based primer applications. It is presented for your consumption with Marshall quality and service concept. For further information, please contact us, by our contact addresses.

**Marshall**  
let's colour

## EXTERIOR WALL TECHNICAL BULLETIN CATALOGUE



## AKRIKOR ELASTOMERIC



Hairline cracks that occurred on surfaces because of the temperature differences (10oC + 50oC), bridges up to 0,5 mm and crack-proof.



## AKRIKOR PURE ACRYLIC



Fade resistance is **5 times stronger** than conventional exterior paint, as per accelerated aging test results of 2,000 hours conducted by Akzonobel Laboratories.



## AKRIKOR SILICONED+ACRYLIC



Paint application over black stripe



## AKRIKOR ANTI ALCALI + PIGMENTED PRIMER



MARSHALL CONVENTIONAL PRIMED PAINT APPLICATION  
Alkali surface

AKRIKOR ANTI ALCALI + PIGMENTED PRIMER  
Normal surface



# 4 SEASONS ULTIMATE PROTECTION!

# AKRIKOR®

WATER BASED EXTERIOR PRODUCTS

4 SEASONS PROTECTION SHIELD\*



\*Acricoral Silicone+Acrylic and Acricoral Silicone+Acrylic Grainy warranty specification. The colours specified in Table-2 are guaranteed for 5 years against colour fading.

\*\*Acricor Pure Acrylic and Acricor Elastomeric warranty specification The colours specified in Table-2 are guaranteed for 10 years against colour fading.

[www.marshallboya.com](http://www.marshallboya.com)

AkzoNobel

# EXTERIOR PAINTS AND PRIMERS

- AKRIKOR ELASTOMERIC
- AKRIKOR PURE ACRYLIC
- AKRIKOR SILICONED+ACRYLIC
- AKRIKOR SILICONED+ACRYLIC TEXTURED
- AKRIKOR ANTI ALCALI + PIGMENTED PRIMER
- AKRIKOR SILICONED+PIGMENTED PRIMER
- AKRIKOR ACRYLIC
- AKRIKOR ACRYLIC TEXTURED
- AKRIKOR SILICONED PRIMER
- PROTECT SILICONED FLAT
- AS PRIMER
- EXTERIOR FILLER
- ISOLATION PRIMER



The information contained in this Technical Bulletin has been prepared based on laboratory data. Technical support is recommended for information not contained in this bulletin. Manufacturer shall not be liable for any defect may arise due to lack of information in applications to be made without obtaining support from Technical Support or Technical Bulletin Catalogue. Our firm reserves the right to change this information.

# AKRIKOR ELASTOMERIC



WATER BASED

## PRODUCT RELEASE

Packaging 2,5 L - 15 L

## COLOUR

White, BW, BM (Tinting System)

## FIELDS OF USE

It is especially for Exterior Walls. It is safely used for decorative on air-dry concrete, cement-based plaster, exterior plasters, brick, asbestos cement and formerly painted surfaces in good condition.

## CHARACTERISTICS

It is elastomeric insulation paint that by curing by help of UV rays thanks to pure acrylic binder and hardens with cross links. Thanks to superior formula, adheres perfectly to the surface and provides ultra-performance against the most extreme weather conditions. It protects its flexibility at variable humidity rates and temperatures, a forming elastic film preventing fine, capillary / small cracks caused by possible surface tension. It is waterproof and it may be used on all kinds of new and old surfaces. The product, which is excellent covering material with high durability, can be applied smooth or grainy and it looks semi-matt. Please see the Surface Preparation and Application sections for details.

## TECHNICAL SPECIFICATIONS OF THE PRODUCT

Appearance	Semi-matt, top-coat paint. See the Surface Preparation and Application Sections For Details.	
Chemical Structure	Pure acrylic polymer	
Drying time between coats	Minimum 4-8 hours (20 °C, 50% RH) High relative humidity and low temperature can be increase drying time.	
Complete drying	Minimum 24 hours (20 °C, 50%RH) High relative humidity and low temperature can be increase drying time.	
Recommended application coat	2 coats (may vary depending on the subsurface condition.)	
Consumption (Theoretical)	0.180-0,200 L/m <sup>2</sup> in one coat, 500-550 g/ m <sup>2</sup> in two coats -May vary depending of surface condition.	
Covering power (Theoretical)	5 m <sup>2</sup> /L (at 28±5 micron dry film thickness) in one coat and 2,5 m <sup>2</sup> /L in two coats.	
<b>EN 1062-1 Classification Standard</b>	<b>(European Norms)</b>	
Gloss	Class G2	TS EN ISO 2813
Dry film thickness	Class E3	TS EN ISO 787-7
Grain size	Class S1	TS EN ISO 1524
Water vapour transmission rate	Class V2	TS EN ISO 7783-2
Water transmission rate	Class W3	TS EN 1062-3
Crack bridging capacity	Class A2	TS EN ISO 1062-7
CO <sub>2</sub> permeability	Class C0	TS EN 1062-6

## SURFACE PREPARATION

**For bare surfaces:** Minimum 21 days (recommended for 20°C) should be waited for setting the plaster on the newly plastered surface. Any dirt, dust and release agents on the application surface should be neutralized and removed off the surface by chemical wash or wiping. (Surfaces to apply the paint and primer should be self-supporting.) If detergent water or chemical has been used for cleaning of the surface, you should rinse the surface once more by clear water. Never paint surfaces not dry. Any irregularity on the surface should be leveled by use of putty. No application should be made before the putty gets dry and sanded; after removal of the sanding dust, any primer described below should be applied in 1 coat depending on the characteristic of the surface. Before the paint, one of Acricor Silicone Primer, Acricor Anti-Alkali+Hiding Primer, Isolation Primer (1 cup of isolation primer is diluted with 7 cups of water) should be definitely used in 1 coat.

**For formerly painted surfaces:** Former paint, loose and peeling paint should be scraped off the surface. (Surfaces to apply the paint and primer should be self-supporting.) To remove any level difference on the surface, local puttying should be performed and the surface, especially the puttied parts of it, should be thoroughly sanded to eliminate any level difference. Sanding dusts should be removed off the surface. In order that local puttying operations do not interfere with the topcoat as stain, the locations filled with putty should be painted for repair in a color close to the former paint. Application surface should be dry. Depending on the surface condition (as described in the section for new surfaces), the selected primer should be applied in 1 coat. Before the paint, one of Acricor Silicone Primer, Acricor Anti-Alkali+Hiding Primer, Isolation Primer (1 cup of isolation primer is diluted with 7 cups of water) should be definitely used in 1 coat.

## APPLICATION

**Recommended Application Tools:** Brush, Corded Roller, Lambskin Roller. Coral roller can be used to pattern after the first coat.

**Dilution medium:** It should be diluted with water.

**Dilution Amount:** **1-** Maximum 10% by volume (In case of over-dilution, may encounter covering problems.) **2-** it can be diluted by 5-10%, according to the crack condition and the surface appearance. **3-** it can be diluted by 10% for 1st coat. **4-** Depending on the desired surface appearance and crack structure of the second coat, it can be used without thinning or by thinning 5-10%. **5-** Colors made from BM and BC bases should be diluted maximum 5% by volume.

**Recommended Primers:** Before the paint, one of Acricor Silicone Primer, Acricor Anti-Alkali+Hiding Primer, Isolation Primer (1 cup of isolation primer is diluted with 7 cups of water) should be definitely used in thin 1 coat.

**Application:** **1-** Proper primer is selected and applied in 1 coat for the surface with subsurface treatments completed, and then ACRICOR ELASTOMERIC should be applied. If the plaster or gross concrete of the application surface is rough, the paint is applied as diluted of 10% at 1st coat and as undiluted at the 2nd coat. Roll should be moved in one direction. Otherwise, surface distortion and hue differences may occur. You should take care during application that there is no overlapping between the coats. You should wait for minimum 4-8 hours between the coats. **2-** it can be diluted to 5-10% according to the crack condition and the surface appearance. **3-** it can be diluted to 10% for 1st coat. **4-** depending on the crack condition and the desired surface appearance, it can be applied at 2nd coat, undiluted or diluted to 5% - 10%. It should not be applied in rainy weather and on facades exposed to direct and intense sun. The intermediate coats of the primer and paint should not be exposed to rain, dew and frost.



## AKRIKOR PURE ACRYLIC

WATER BASED

### CONSIDERATIONS FOR APPLICATION

- Before use, mix the paint in the container to make it homogenous.
- Primer should be applied in 1 coat.
- Low ambient and surface temperatures should be increased drying time.
- High hiding performance is depending to be performed to the sweeping with roller and minimum 2 coats the paint application, the primer application, waiting time between the coats, accurate dilute ratios.
- As the precise paint consumption may vary change depending on the surface, it should be determined by test paintwork on the surface to be painted.
- It is recommended to use products with the same product number on the same surface in order to avoid color shade differences in retouch works.
- Ensure the ambient and the surface temperature should be between +5°C and +30°C from start of the application and until the product is fully dry. And, in these periods, the surface should not be exposed to rain, dew and frost. Otherwise cracking, blistering, early drying, undulating surface etc. problems may appear.
- Application surface should be dry and clean.
- Acricor Elastomeric should not be diluted with water more than 10%.
- Application should be performed according to the specified application directions.
- You should wait minimum 4 – 8 hours between application coats.

### CLEANING THE APPLICATION TOOLS

Application tools should be cleaned with water immediately after use.

### CHARACTERISTICS RELATED TO ENVIRONMENT AND HUMAN HEALTH

- VOC (Volatile Organic Compounds) limits comply with those specified in "DIRECTIVE 2004/42/CE OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL.
- CIT/MIT in the Paint is below 15ppm.
- It does not contain carbendazim and derivatives.
- It does not contain ethylene-glycol and derivatives.

### STORAGE CONDITIONS

It should be stored in a place dry, well-ventilated, kept away from heat sources and direct sunlight in the temperature range of +5 °C and +35 °C.

### OTHER WARNINGS

Hazardous dust and/or smoke may occur during operations such as sanding and burning on the painted surface. Work in well-ventilated spaces. If required, use proper personal protective equipment. When requested, detailed Safety Data Sheet is made available for detailed information.

**G** Our product has a national mark that indicates it's safe as per the Construction Materials Regulation. The product is manufactured in accordance with the national technical specifications within the scope of Conformity Confirmation System 4.

**TSE** IT CONFORMS TO TS 7847.  
TS 7847/14.06.2012

### PRODUCT RELEASE

Packaging 2,5 L - 15 L

### FIELDS OF USE

It is especially for use on exterior. It is safely used for decorative and protection purpose on air-dry concrete, cement-based plaster, exterior plaster, brick, asbestos cement and formerly painted surfaces in good condition.

### CHARACTERISTICS

Thanks to 100% pure acrylic-binder based formula, it is resistant to harsh climatic conditions on the exteriors for 4 seasons. Thanks to special formula, it has excellent wet rubbing resistance and wash ability. It has a high dirt-proof feature with its micro-permeable structure that prevents carbonation and its colors remain vivid for many years. It is highly resistant against humidity and water. It is a semi-matt and smooth appearance wall paint of exterior that having hiding power of 100% and easy to apply.

### TECHNICAL SPECIFICATIONS OF THE PRODUCT

Appearance	Semi-matt, smooth appearance, top-coat paint	
Chemical Structure	100% pure acrylic polymer	
Drying time between coats	Minimum 4-8 hours (20 °C, 50% RH) High relative humidity and low temperature can be increase drying time.	
Complete drying	Minimum 24 hours (20 °C, 50%RH) High relative humidity and low temperature can be increase drying time.	
Recommended application coat	Minimum 2 coats (may vary depending on the subsurface condition.)	
Consumption (Theoretical)	0.060-0,070 L/m <sup>2</sup> in one coat -May vary depending of the surface type.	
Covering power (Theoretical)	15 m <sup>2</sup> /L (at 28±5 micron dry film thickness) in one coat	
<b>EN 1062-1 Classification Standard</b>	<b>(European Norms)</b>	
Gloss	Class G2	TS EN ISO 2813
Dry film thickness	Class E2	TS EN ISO 787-7
Grain size	Class S1	TS EN ISO 1524
Water vapour transmission rate	Class V2	TS EN ISO 7783-2
Water transmission rate	Class W3	TS EN 1062-3
Crack bridging capacity	Class A0	TS EN ISO 1062-7
CO <sub>2</sub> permeability	Class C0	TS EN 1062-6

### SURFACE PREPARATION

**For bare surfaces:** Minimum 21 days (recommended for 20oC) should be waited for the setting the plaster on the newly plastered surface. Any dirt, dust and release agents on the application surface should be neutralized and removed off the surface by chemical wash or wiping. (Surfaces to apply the paint and primer should be self-supporting.) If detergent water or chemical has been used for cleaning of the surface, you should rinse the surface once more by clear water. Never paint surfaces not dry. Any irregularity on the surface should be leveled by use of putty. No application should be made before the putty gets dry and sanded; after removal of the sanding dust, any primer described below should be applied in 1 coat depending on the characteristic of the surface.

Before the paint, one of Acricor Silicone Primer, Acricor Silicone+Hiding Primer, Acricor Anti Alkali+Hiding Primer, Isolation Primer (1 cup of isolation primer is diluted with 7 cups of water) should be used.

**For formerly painted surfaces:** Former paint, loose and peeling paint should be scraped off the surface. (Surfaces to apply the paint and primer should be self-supporting.) To remove any level difference on the surface, local puttying should be performed and the surface, especially the puttied parts of it, should be thoroughly sanded to eliminate any level difference. Sanding dusts should be removed off the surface. In order that local puttying operations do not interfere with the topcoat as stain, the locations filled with putty should be painted for repair in a color close to the former paint. Application surface should be dry. Depending on the surface condition (as described in the section for new surfaces), the selected primer should be applied in 1 coat.

### APPLICATION

**Recommended Application Tools:** Exterior Roller, Brush.

**Dilution medium:** It should be diluted with water.

**Dilution Ratio:** It should be diluted max. 10% by volume (For BM and BC base, in case of over-dilution of 5%, may encounter covering problems.)

**Recommended Primers:** Before the paint, one of Acricor Silicone Primer, Acricor Silicone+Hiding Primer, Acricor Anti Alkali+Hiding Primer, Isolation Primer (1 cup of isolation primer is diluted with 7 cups of water) should be definitely applied in thin 1 coat.

**Application: 1-** Proper primer is selected and applied in 1 coat for the surface with subsurface treatments completed, and then, after 12 to 24 hours depending on the type of the primer, AKRIKOR PURE ACRYLIC should be applied in minimum 2 coats. Assure during application that roller movements should be in one direction. Otherwise, surface distortion and hue differences may occur. You should take care during application that there is no overlapping between the coats. You should wait for minimum 4-8 hours depending on the ambient temperature between the coats. It is recommended to be performed sweeping process passing over the painted surface without paint with same roller after 2-3 minutes depending to environment temperature of roll applications for a homogenous and more covering surface. It should not be applied in rainy weather and on facades exposed to direct and intense sun. The intermediate coats of the primer and paint should not be exposed to rain, dew and frost.



## AKRIKOR SILICONED + ACRYLIC

### CONSIDERATIONS FOR APPLICATION

- Before use, mix the paint in the container to make it homogenous.
- Ensure the ambient and the surface temperature should be between +5°C and +30°C from start of the application and until the product is fully dry. And, in these periods, the surface should not be exposed to rain, dew and frost. Otherwise cracking, blistering, early drying, undulating surface etc. problems may appear.
- Application surface should be dry and clean.
- ACRICOR PURE ACRYLIC should not be diluted with water more than 10%.
- Application should be performed according to the specified application directions.
- You should wait minimum 4 – 8 hours between application coats.
- Primer should be applied in 1 coat.
- Low ambient and surface temperatures should be increased drying time.
- High hiding performance is depending to be performed to the sweeping with roller and minimum 2 coats the paint application, the primer application, waiting time between the coats, accurate dilute ratio.
- As the precise paint consumption may vary change depending on the surface, it should be determined by test paintwork on the surface to be painted.
- It is recommended to use products with the same product number on the same surface in order to avoid color shade differences in retouch works.
- Colors made from BM and BC bases should be diluted maximum 5% by volume.

### CLEANING THE APPLICATION TOOLS

Application tools should be cleaned with water immediately after use.

### CHARACTERISTICS RELATED TO ENVIRONMENT AND HUMAN HEALTH

- VOC (Volatile Organic Compounds) limits comply with those specified in "DIRECTIVE 2004/42/CE OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL.
- CIT/MIT in the Paint is below 15ppm.
- It does not contain carbendazim and derivatives.
- It does not contain ethylene-glycol and derivatives. For more detailed information, please contact us.

### STORAGE CONDITIONS

It should be stored in a place dry, well-ventilated, kept away from heat sources and direct sunlight in the temperature range of +5 °C and +35 °C.

### OTHER WARNINGS

Hazardous dust and/or smoke may occur during operations such as sanding and burning on the painted surface. Work in well-ventilated spaces. If required, use proper personal protective equipment. When requested, detailed Safety Data Sheet is made available for detailed information.

**G** Our product has a national mark that indicates it's safe as per the Construction Materials Regulation. The product is manufactured in accordance with the national technical specifications within the scope of Conformity Confirmation System 4.

**TSE** IT CONFORMS TO TS 7847.  
TS 7847/14.06.2012

### PRODUCT RELEASE

**Packaging** 1L-2,5 L – 7,5 L -15L

### COLOUR

White, BW, BM, BC (Tinting System)

### FIELDS OF USE

It is safely used for decorative purpose on conventional plaster, concrete, gross concrete, chipboard, gas concrete, brick, plasterboard, etc. as well as on formerly painted surfaces. Please see the Surface Preparation and Application sections for details.

### CHARACTERISTICS

Thanks to acrylic-copolymer based formula and silicone structure, provides on the exteriors for 4 seasons protection. Thanks low water absorption performance and quick water vapour permeability specs brings of the superior silicone-tech, prevents deformations depending on weathers on the exteriors. It is wall paint of exterior with matt and smooth appearance, excellent covering.

### TECHNICAL SPECIFICATIONS OF THE PRODUCT

Appearance	Matt, smooth appearance top-coat paint	
Chemical Structure	Siliconated modified acrylic	
Drying time between coats	Minimum 4-8 hours (20 °C, 50% RH) High relative humidity and low temperature can be increase drying time.	
Complete drying	24 hours (20 °C, 50%RH) High relative humidity and low temperature can be increase drying time.	
Recommended application coat	Minimum 2 coats (may vary depending on the subsurface condition.)	
Consumption (Theoretical)	0.060-0,070 L/m <sup>2</sup> in one coat -May vary depending of the surface type.	
Covering power (Theoretical)	15 m <sup>2</sup> /L (at 28±5 micron dry film thickness) in one coat and 2,5 m <sup>2</sup> /L in two coats.	
<b>EN 1062-1 Classification Standard</b>	<b>(European Norms)</b>	
Gloss	Class G3	TS EN ISO 2813
Dry film thickness	Class E2	TS EN ISO 787-7
Grain size	Class S1	TS EN ISO 1524
Water vapour transmission rate	Class W3	TS EN ISO 7783-2
Water transmission rate	Class V2	TS EN 1062-3
Crack bridging capacity	Class A0	TS EN ISO 1062-7
CO <sub>2</sub> permeability	Class C0	TS EN 1062-6

### SURFACE PREPARATION

**For bare surfaces:** Minimum 21 days should be waited for the setting (complete drying) the plaster or the concrete on the newly plastered concrete surface. Any dirt, dust and release agents on the application surface should be neutralized and removed off the surface by chemical wash or wiping. If detergent water or chemical has been used for cleaning of the surface, you should rinse the surface once more by clear water. Never paint, the surfaces not dry, clean and strength that could support the next coats. Any irregularity on the surface should be leveled by use of Marshall Exterior Putty or mesh putty etc. depending on its depth. No application should be made before the putty gets dry and sanded; after removal of the sanding dust, any primer described below should be applied in 1 coat depending on characteristic of the surface. Before the paint, one of Acricor Silicone Primer, Acricor Silicone+Hiding Primer, Acricor Anti Alkali+Hiding Primer should be used.

**For formerly painted surfaces:** Former paint, loose and peeling paint should be scraped off the surface. Surface should be strength that supports the next coats. To remove any level difference on the surface, local puttying should be performed by putty and the surface, especially the puttied parts of it, should be thoroughly sanded to eliminate any level difference. Sanding dusts should be removed off the surface. In order that local puttying operations do not interfere with the topcoat as stain, the locations filled with putty should be painted for repair in a color close to the former paint. Application surface should be dry. Depending on the surface condition, one of Acricor Silicone Primer, Acricor Anti Alkali+ Hiding Primer, Acricor Silicone + Hiding Primer should be definitely applied in 1 coat.

### APPLICATION

**Recommended Application Tools:** Exterior Roller, Brush.

**Note:** Roller with shorter bristles ensures you get a smooth surface. When you use roller with long bristle, it causes a slight pattern on the surface.

**Dilution medium:** It should be diluted with clean water.

**Dilution Ratio:** It should be diluted max. 10% by volume (For BM and BC base, in case of over-dilution of 5%, may encounter covering problems.)

**Recommended Primers:** Before the paint, one of Acricor Anti Alkali +Hiding Primer, Acricor Silicone Primer, Acricor Silicone+Hiding Primer should be definitely applied in thin 1 coat in accordance with the instructions in the technical bulletin.

**Application: 1-** Proper primer is selected and applied in 1 coat for the surface with subsurface treatments completed, and then, after 12 hours depending on the type of the primer, ACRICOR SILICONE+ACRYLIC should be applied in minimum 2 coats. Assure during application that roller movements should be in one direction. Otherwise, surface distortion and hue differences may occur. You should take care during application that there is no overlapping between the coats. You should wait for minimum 4-8 hours depending on the ambient temperature and humidity between the coats. It is recommended to be performed sweeping process passing over the painted surface without paint with same roll after 2-3 minutes depending to ambient temperature of roll applications for a homogenous and more covering surface. It should not be applied in rainy weather and on facades exposed to direct and intense sun. The intermediate coats of the primer and paint should not be exposed to rain, dew and frost.



## AKRIKOR SILICONED + ACRYLIC TEXTURED



WATER BASED

### CONSIDERATIONS FOR APPLICATION

- Before use, mix the paint in the container to make it homogenous.
- Application surface should be dry and clean.
- Acrikor Silicone+Acrylic should not be diluted more than 10% with water by volume, BM and BC bases should not be diluted more than 5% with water.
- It should be use products with the same product number on the same surface in order to avoid color shade differences.
- Primers should be applied in 1 coat on the surface.
- Application should be performed according to the specified application directions.
- You should wait minimum 4 – 8 hours between application coats.
- Low ambient and surface temperatures should be increased drying time.
- High hiding performance is depending to be performed to the sweeping with roller and minimum 2 coats the paint application, the primer application, waiting time between the coats, accurate dilute ratios.
- As the precise paint consumption may vary change depending on the surface, it should be determined by test paintwork on the surface to be painted.
- Ensure the ambient and the surface temperature should be between +5°C and +30°C from start of the application and until the product is fully dry. And, in these periods, the surface should not be exposed to rain, dew and frost. Otherwise cracking, blistering, early drying, undulating surface etc. problems may appear.

### CLEANING THE APPLICATION TOOLS

Application tools should be cleaned with water immediately after use.

### CHARACTERISTICS RELATED TO ENVIRONMENT AND HUMAN HEALTH

- VOC (Volatile Organic Compounds) limits comply with those specified in "DIRECTIVE 2004/42/CE OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL.
- CIT/MIT in the Paint is below 15ppm.
- It does not contain carbendazim and derivatives.
- It does not contain ethylene-glycol and derivatives. For more detailed information, please contact us.

### STORAGE CONDITIONS

It should be stored in a place dry, well-ventilated, kept away from heat sources and direct sunlight in the temperature range of +5 °C and +35 °C.

### OTHER WARNINGS

Hazardous dust and/or smoke may occur during operations such as sanding and burning on the painted surface. Work in well-ventilated spaces. If required, use proper personal protective equipment. When requested, detailed Safety Data Sheet is made available for detailed information.

**G** Our product has a national mark that indicates it's safe as per the Construction Materials Regulation. The product is manufactured in accordance with the national technical specifications within the scope of Conformity Confirmation System 4.

**TSE** IT CONFORMS TO TS 7847.  
TS 7847/14.06.2012

### PRODUCT RELEASE

Packaging 13 L/20 KG

### FIELDS OF USE

It is safely used for decorative purpose on conventional plaster, concrete, gross concrete, chipboard, gas concrete, brick, plasterboard, etc. as well as on formerly painted surfaces. Please see the Surface Preparation and Application sections for details.

### CHARACTERISTICS

Minimizes of water absorbance (water-repellent) by combining the acrylic binder's with silicone and special particles and provides water vapor permeability that transports from inside to outside. Minimizes the potential temperature changes (heat and tension) formed on the wall thanks to superior silicone technology. It is decorative exterior wall covering that quick-drying, durable, grainy on the application surfaces. Thus, does not show surface defects on the thin plasters and gross concretes.

### TECHNICAL SPECIFICATIONS OF THE PRODUCT

Appearance	Matt and textured exterior wall coating.	
Chemical Structure	Siliconed modified acrylic co-polymer	
Drying time between coats	Minimum 4-8 hours (20 °C, 50% RH) High relative humidity and low temperature can be increase drying time.	
Complete drying	Minimum 24 hours (20 °C, 50%RH) High relative humidity and low temperature can be increase drying time.	
Recommended application coat	1 coat or 2 coats	
Consumption (Theoretical)	0.8-1.2 kg/m <sup>2</sup> in one coat (0.55-0.80 L/m <sup>2</sup> ) (may vary depending on type of the surface)	
Covering power (Theoretical)	1,5 m <sup>2</sup> /L (at 350±50 micron dry film thickness) in one coat.	
<b>EN 1062-1 Classification Standard</b>	<b>(European Norms)</b>	
Gloss	It is not measured for the paints with grain.	
Dry film thickness	Class E4	TS EN ISO 787-7
Grain size	Class S3	TS EN ISO 787-7
Water vapour transmission rate	Class V2	TS EN ISO 7783-2
Water transmission rate	Class W3	TS EN 1062-3
Crack bridging capacity	Class A0	TS EN ISO 1062-7
CO <sub>2</sub> permeability	Class C0	TS EN 1062-6

### SURFACE PREPARATION

**For bare surfaces:** Minimum 21 days (recommended for 20oC) should be waited for setting the plaster on the newly plastered surfaces. Any dirt, dust and release agents on the application surface should be neutralized and removed off the surface by chemical wash or wiping. If detergent water or chemical has been used for cleaning of the surface, you should rinse the surface once more by clear water. Never paint, the surfaces not dry, clean and strength that could support the next coats. Any irregularity on the surface should be leveled by use the putty. No application should be made before the putty gets dry and sanded; after removal of the sanding dust, it should be applied in 1 coat as described below depending on the characteristic of the surface. Before the paint, one of the Acrikor Silicone Primer, Acrikor Silicone+Hiding Primer, Acrikor Anti Alkali+Hiding Primer, Isolation Primer (1 cup of primer is diluted with 7 cups of water) should be definitely applied in (1) coat.

**For formerly painted surfaces:** Former paint, loose and peeling paint should be scraped off the surface. To remove any level difference on the surface, local puttying should be performed by putty and the surface, especially the putted parts of it, should be thoroughly sanded to eliminate any level difference. Sanding dusts should be removed off the surface. In order that local puttying operations do not interfere with the topcoat as stain, the locations filled with putty should be painted for repair in a color close to the former paint. Never paint, the surfaces not dry, clean and strength that could support the next coats. Preferred primer depending on the surface condition (as described for new surfaces) should be applied as 1 coat. Before the paint, one of the Acrikor Silicone Primer, Acrikor Silicone + Hiding Primer, Acrikor Anti Alkali+ Hiding Primer, Isolation Primer (1 cup of primer is diluted with 7 cups of water) should be definitely applied in 1 coat.



## AKRIKOR ANTI ALCALI + PIGMENTED PRIMER

### APPLICATION

**Recommended Application Tools:** Exterior Roller, brush, coral roller.

**Dilution medium:** It should be diluted with water.

**Dilution Amount (by Volume):**

- To obtain a more distinctive pattern, the coating is applied in 1 coat without diluting.
- To obtain a thin pattern, 10 parts ACRICOR SILICONE + ACRYLIC GRAINY can be applied by dilution 10% with 1 part water. In case the subsurface is rough, no diluting is recommended.

**NOTE:** THERMAL INSULATION SYSTEM SHOULD BE APPLIED ACCORDING TO THE FOLLOWING METHOD. The product is diluted by 30% for 1st coat. The product is applied without dilution for 2nd coats.

**Recommended Primers:** Before the paint, one of Acricor Silicone Primer, Acricor Silicone+Hiding Primer, Acricor Anti Alkali +Hiding Primer, Isolation Primer (1 cup of primer is diluted with 7 cups of water), Gross Concrete Primer should be definitely applied in thin 1 coat.

**Application: 1-** Proper primer is selected and applied in 1 coat for the surface with subsurface treatment completed, and then ACRICOR SILICONE + ACRYLIC GRAINY should be applied. If the plaster or gross concrete of the application surface is rough, the paint is applied in 1 coat without diluting. Roll should be moved in one direction. Otherwise, surface distortion and hue differences may occur. You should take care during application that there is no overlapping between the coats. You should wait for minimum 4-8 hours between the coats.

**NOTE:** THERMAL INSULATION SYSTEM SHOULD BE APPLIED ACCORDING TO THE FOLLOWING METHOD.

- The product is diluted by 30% for 1<sup>st</sup> coat
- The product is applied without dilution for 2<sup>nd</sup> coats. It should not be applied in rainy weather and on facades exposed to direct and intense sun. The intermediate coats of the primer and paint should not be exposed to rain, dew and frost.

### CONSIDERATIONS FOR APPLICATION

- The paint should be stirred with a low-speed drill in the pot to make it homogenous before use.
- Application surface should be dry and clean.
- Application should be performed in accordance with the specified application characteristics.
  - You should wait minimum 4 – 8 hours between paint coats.
  - Ensure the ambient and the surface temperature should be between +5°C and +30°C from start of the application and until the product is fully dry. And, in these periods, the surface should not be exposed to rain, dew and frost. Otherwise cracking, blistering, early drying, undulating surface etc. problems may appear
  - Low ambient and surface temperatures should be increased drying time.
  - As the precise paint consumption may vary change depending on the surface, it should be determined by test paintwork on the surface to be painted.
  - It is recommended to use products with the same product number on the same surface in order to avoid color shade differences.
  - Primers should be applied in 1 coat on the surface.

### CLEANING THE APPLICATION TOOLS

Application tools should be cleaned with water immediately after use.

### CHARACTERISTICS RELATED TO ENVIRONMENT AND HUMAN HEALTH

- VOC (Volatile Organic Compounds) limits comply with those specified in "DIRECTIVE 2004/42/CE OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL.
- CIT/MIT in the Paint is below 15ppm.
- It does not contain carbendazim and derivatives.
- It does not contain ethylene-glycol and derivatives.

### STORAGE CONDITIONS

It should be stored in a place dry, well-ventilated, kept away from heat sources and direct sunlight in the temperature range of +5 °C and +35 °C.

### OTHER WARNINGS

Hazardous dust and/or smoke may occur during operations such as sanding and burning on the painted surface. Work in well-ventilated spaces. If required, use proper personal protective equipment. When requested, detailed Safety Data Sheet is made available for detailed information.

**G** Our product has a national mark that indicates it's safe as per the Construction Materials Regulation. The product is manufactured in accordance with the national technical specifications within the scope of Conformity Confirmation System 4.

**TSE** IT CONFORMS TO TS 7847.  
TS 7847/14.06.2012

### PRODUCT RELEASE

Packaging 2,5 L – 12,5L

COLOUR White

### FIELDS OF USE

It is used to reduce consumption for topcoat and provide a smooth surface on the structural components such as plaster, gross concrete, chipboard, gas concrete, brick, fiber cement board.

### CHARACTERISTICS

It is an anti-alkali hiding exterior primer that could permeates into to surface with the strong and high binder formula, providing resistant against the alkali release, resistance to moisture and water on surface and excellent adheres to the sub-surfaces.

### TECHNICAL SPECIFICATIONS OF THE PRODUCT

Appearance	Primer with smooth appearance
Chemical Structure	Siliconed modified acrylic
Complete drying	Minimum 12 hours (20 °C, 50% RH) High relative humidity and low temperature can be increase drying time.
Recommended application coat	1 coat
Consumption (Theoretical)	0.060-0.070 L/m <sup>2</sup> in one coat -May vary depending on the type of surface.
Covering power (Theoretical)	15 m <sup>2</sup> /L (at 28±5 micron dry film thickness) in one coat
Top coat paint application	It is recommended to wait 12 hours before applying top coat paint on it.

### SURFACE PREPARATION

**For bare surfaces:** Minimum 21 days (complete drying) should be waited for setting the plaster or the concrete on the newly plastered and concrete surfaces. Any dirt, dust and release agents on the application surface should be neutralized and removed off the surface by chemical wash or wiping. If detergent water or chemical has been used for cleaning of the surface, you should rinse the surface once more by clear water. Never paint, the surfaces not dry, clean and strength that could support the next coats. Any irregularity on the surface should be leveled by use of Marshall Exterior Putty or mesh putty etc., depending on the depth. No application should be made before the putty gets dry and sanded; after removal of the sanding dust, Anti Alkali+Hiding Primer should be applied in 1 coat. Minimum 12 hours after the primer application, Marshall water based exterior topcoat products may be applied on it.

**For formerly painted surfaces:** Former paint, loose and peeling paint should be scraped off the surface. Surface should be strength that supports the next coats. To remove any level difference on the surface, local puttying should be performed by putty and the surface, especially the putted parts of it, should be thoroughly sanded to eliminate any level difference. Sanding dusts should be removed off the surface. In order that local puttying operations do not interfere with the topcoat as stain, the locations apply putty should be painted for repair in a color close to the former paint. Application surface should be dry. Anti Alkali+Hiding Primer should be applied in 1 coat. Minimum 12 hours after the primer application, Marshall water based exterior topcoat products may be applied on it.

### APPLICATION

**Recommended Application Tools:** Exterior Roller, Brush

**Note:** Roller with shorter bristles ensures you get a smooth surface. When you use roller with long bristle, it causes a slight pattern on the surface.

**Dilution medium:** It should be diluted with water.

**Dilution Ratio:** It should be diluted max. 10% by volume.

**Recommended Primers:** Water based exterior paint and coatings.

**Application:** \* It should be applied on dry and dust-free surfaces, with surface treatments completed (putty and primer applied.) \* It should be made homogenous by diluting and stirring according to the dilution ratio. \* ACRICOR ANTI-ALKALI + HIDING PRIMER is applied in 1 coat by roller. It should be waited for minimum 12 hours for the drying of ACRICOR ANTI-ALKALI + HIDING PRIMER. After the primer application, all Marshall water based exterior topcoat products may be applied on it.



## AKRIKOR SILICONED + PIGMENTED PRIMER



WATER BASED

### CONSIDERATIONS FOR APPLICATION

- The primer should be stirred in the pot to make it homogenous before use.
- As the precise paint consumption may vary change depending on the surface, it should be determined by test paintwork on the surface to be painted.
- Ensure the ambient and the surface temperature should be between +5°C and +30°C from start of the application and until the product is fully dry. And, in these periods, the surface should not be exposed to rain, dew and frost. Otherwise cracking, blistering, early drying, undulating surface etc. problems may appear.
- Application surface should be dry and clean.
- Primer should be applied in 1 coat on the surface.
- Application should be performed in accordance with the specified application characteristics.
  - You should wait minimum 12 hours between the primer and paint coats.

### CLEANING THE APPLICATION TOOLS

Application tools should be cleaned with water immediately after use.

### CHARACTERISTICS RELATED TO ENVIRONMENT AND HUMAN HEALTH

- VOC (Volatile Organic Compounds) limits comply with those specified in "DIRECTIVE 2004/42/CE OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL.
- CIT/MIT in the Paint is below 15ppm.
- It does not contain carbendazim and derivatives.
- It does not contain ethylene-glycol and derivatives.

### STORAGE CONDITIONS

It should be stored in a place dry, well-ventilated, kept away from heat sources and direct sunlight in the temperature range of +5 °C and +35 °C.

### OTHER WARNINGS

Hazardous dust and/or smoke may occur during operations such as sanding and burning on the painted surface. Work in well-ventilated spaces. If required, use proper personal protective equipment. When requested, detailed Safety Data Sheet is made available for detailed information.

### PRODUCT RELEASE

Packaging 2,5 L - 10 KG - 20 KG

COLOUR White

### FIELDS OF USE

It is used to reduce consumption for topcoat and provide a smooth surface on the structural components such as plaster, gross concrete, chipboard, gas concrete, brick, fiber cement board. Please see the Surface Preparation and Application Section for details.

### CHARACTERISTICS

It is a filled hiding primer which silicone acrylic copolymer based, matt look and high resistance to humidity and water, high adhesion power. It is applied to strengthen adhesion to subsurface, to reduce consumption of the water based exterior paints.

### TECHNICAL SPECIFICATIONS OF THE PRODUCT

Appearance	Matt, covering primer
Chemical Structure	Siliconed modified acrylic copolymer
Complete drying	Minimum 12 hours (20 °C, 50% RH) High relative humidity and low temperature can be increase drying time.
Recommended application coat	1 coat
Consumption (Theoretical)	0.06-0.07 L/m <sup>2</sup> (0,097-0,13 kg m <sup>2</sup> ) in one coat - vary depending on the type of surface.
Covering power (Theoretical)	9,25 m <sup>2</sup> /kg (at 28±5 micron dry film thickness).
Top coat paint application	It is recommended to wait 12 hours before applying top coat paint on it.

### SURFACE PREPARATION

**For bare surfaces:** Any materials reducing adhesion such as free sand, dust and grease should be removed of the surfaces to which ACRICOR SILICONE + HIDING PRIMER shall be applied. Minimum 21 days (recommended for 20oC) should be waited for setting the plaster on the newly plastered surface. If there are residues, such as release agents and grease on the application surface should be cleaned and rinsed by chemical wash. Any plaster irregularity on the surface should be filled with putty, and, if very smooth surface is desired, the plastered surface should be scraped off. Putty may be applied to the entire surface. After the putty gets dry, it may be slightly sanded off. Sanding dusts should be removed off the surface. Priming should never apply on a surface which not dry, clean, stable enough support the next coats. Minimum 12 hours after the application of ACRICOR SILICONE + HIDING PRIMER, Marshall water based exterior wall topcoat products may be applied on it.

**For formerly painted surfaces:** Any loose and peeling paint on the surface should be cleaned off; surface should be strength that supports the next coats. Any level irregularity on the surface should be filled with putty and sanded off. If desired, putty may be applied to the entire surface. After getting dry, the putty should be sanded off and free dusts should be removed. Now the surface is ready to apply ACRICOR SILICONE + HIDING PRIMER.

### APPLICATION

**Recommended Application Tools:** Exterior Roller, Brush

**Dilution medium:** It should be diluted with water.

**Dilution Ratio:** It should be diluted max. 10% by volume

**Recommended Primers:** Water based exterior paints and coatings.

**Application:** It should be applied on dry and dust-free surfaces, with subsurface treatments completed (putty and primer applied.). It should be made homogenous by diluting and stirring according to the dilution ratio. ACRICOR SILICONE + HIDING PRIMER is applied in 1 coat with roller. It should be waited for minimum 12 hours for the drying of ACRICOR SILICONE + HIDING PRIMER. After the primer application, all Marshall water based exterior topcoat products may be applied on it.



#### CONSIDERATIONS FOR APPLICATION

- The primer should be stirred in the pot to make it homogenous before use.
- Ensure the ambient and the surface temperature should be between +5 °C and +30 °C from start of the application and until the product is fully dry. And, in these periods, the surface should not be exposed to rain, dew and frost. Otherwise cracking, blistering, early drying, undulating surface etc. problems may appear.
- Application should be performed according to the specified application characteristics.
- If the cracks on the surface is wider than 1mm, they should be repaired with reinforcement mesh.
- ACRICOR SILICONE+HIDING PRIMER not be diluted with water more than 10%.
- Primer is applied in one coat on the surface.
- You should wait 12 hours for topcoat apply on it.
- As the precise paint consumption may vary change depending on the surface, it should be determined by test paintwork on the surface to be painted.
- The application surfaces should be dry and clean.

#### CLEANING THE APPLICATION TOOLS

Application tools should be cleaned with water immediately after use.

#### CHARACTERISTICS RELATED TO ENVIRONMENT AND HUMAN HEALTH

- VOC (Volatile Organic Compounds) limits comply with those specified in "DIRECTIVE 2004/42/CE OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL.
- CIT/MIT in the Paint is below 15ppm.
- It does not contain carbendazim and derivatives.
- It does not contain ethylene-glycol and derivatives.

#### STORAGE CONDITIONS

It should be stored in a place dry, well-ventilated, kept away from heat sources and direct sunlight in the temperature range of +5 °C and +35 °C.

#### OTHER WARNINGS

Hazardous dust and/or smoke may occur during operations such as sanding and burning on the painted surface. Work in well-ventilated spaces. If required, use proper personal protective equipment. When requested, detailed Safety Data Sheet is made available for detailed information.



## AKRIKOR ACRYLIC



WATER BASED

#### PRODUCT RELEASE

Packaging 2,5 L - 7,5 L - 15 L

COLOUR White, BW, BM, BC (Tinting System)

#### FIELDS OF USE

It is safely used as decorative and protector on the conventional plaster, concrete, gross concrete, chipboard, gas concrete, brick, etc., as well as on surfaces formerly painted. The sub-surface should be able to support the top surface. Please see the Surface preparation and Application sections for details.

#### CHARACTERISTICS

It is of acrylic copolymer binding structure, having, as a result, high breathability spec (water vapor permeability) and low water absorption rate. It is a long-lasting exterior wall paint resistant to the outdoor conditions, sun lights, friction and wear; protect the surfaces to which it is applied for years; provides of aesthetic look due to its high dirt-repellent property; prevents change of color over time; easy to apply, having excellent hiding power.

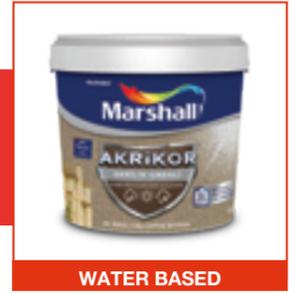
#### TECHNICAL SPECIFICATIONS OF THE PRODUCT

Appearance	Matt, smooth appearance, top coat paint	
Chemical Structure	Acrylic copolymer, latex	
Drying time between coats	Minimum 4-8 hours (20 °C, 50% RH) High relative humidity and low temperature can be increase drying time.	
Complete drying	Minimum 24 hours (20 °C, 50%RH) High relative humidity and low temperature can be increase drying time.	
Recommended application coat	Minimum 2 coats (May vary depending on the condition of the sub-surface.)	
Consumption (Theoretical)	0.060-0.070 L/m <sup>2</sup> in one coat – May vary depending on the condition of the surface.	
Covering power (Theoretical)	15 m <sup>2</sup> /L (at 28±5 micron dry film thickness) in one coat.	
<b>EN 1062-1 Classification Standard</b>	<b>(European Norms)</b>	
Gloss	Class G3	TS EN ISO 2813
Dry film thickness	Class E2	TS EN ISO 787-7
Grain size	Class S1	TS EN ISO 1524
Water vapour transmission rate	Class V2	TS EN ISO 7783-2
Water transmission rate	Class W3	TS EN 1062-3
Crack bridging capacity	Class A0	TS EN ISO 1062-7
CO <sub>2</sub> permeability	Class C0	TS EN 1062-6

#### SURFACE PREPARATION

**For bare surfaces:** Minimum 21 days should be waited for the setting (complete drying) the plaster or the concrete on the newly plastered concrete surface. Any dirt, dust and release agents on the application surface should be neutralized and removed off the surface by chemical wash or wiping. If detergent water or chemical has been used for cleaning of the surface, you should rinse the surface once more by clear water. Never paint, the surfaces not dry, clean and strength that could support the next coats. Any irregularity on the surface should be leveled by use of Marshall Exterior Putty or mesh putty etc. depending on its depth. No application should be made before the putty gets dry and sanded; after removal of the sanding dus, any primer described below should be applied in 1 coat depending on characteristic of the surface. Before the paint, one of Acricor Silicone Primer, Acricor Silicone+Hiding Primer, Acricor Anti Alkali+Hiding Primer should be used.

**For formerly painted surfaces:** Former paint, loose and peeling paint should be scraped off the surface. Surface should be strength that supports the next coats. To remove any level difference on the surface, local puttying should be performed by putty and the surface, especially the puttied parts of it, should be thoroughly sanded to eliminate any level difference. Sanding dusts should be removed off the surface. In order that local puttying operations do not interfere with the topcoat as stain, the locations filled with putty should be painted for repair in a color close to the former paint. Application surface should be dry. Depending on the surface condition, one of Acricor Silicone Primer, Acricor Anti Alkali+ Hiding Primer, Acricor Silicone + Hiding Primer should be definitely applied in 1 coat.



## AKRIKOR ACRYLIC TEXTURED

### APPLICATION

**Recommended Application Tools:** Exterior Roller, Brush.

**Note:** Roller with shorter bristles ensures you get a smooth surface. When you use roller with long bristle, it causes a slight pattern on the surface.

**Dilution medium:** It should be diluted with clean water.

**Dilution Ratio:** It should be diluted max. 10% by volume (For BM and BC base, in case of over-dilution of 5%, may encounter covering problems.)

**Recommended Primers:** Before the paint, one of Acricor Anti Alkali +Hiding Primer, Acricor Silicone Primer, Acricor Silicone+Hiding Primer should be definitely applied in thin 1 coat in accordance with the instructions in the technical bulletin.

**Application: 1-** Proper primer is selected and applied in 1 coat for the surface with subsurface treatments completed, and then, after 12 hours depending on the type of the primer, ACRICOR SILICONE+ACRYLIC should be applied in minimum 2 coats. Assure during application that roller movements should be in one direction.

Otherwise, surface distortion and hue differences may occur. You should take care during application that there is no overlapping between the coats. You should wait for minimum 4-8 hours depending on the ambient temperature and humidity between the coats. It is recommended to be performed sweeping process passing over the painted surface without paint with same roll after 2-3 minutes depending to ambient temperature of roll applications for a homogenous and more covering surface. It should not be applied in rainy weather and on facades exposed to direct and intense sun. The intermediate coats of the primer and paint should not be exposed to rain, dew and frost.

### CONSIDERATIONS FOR APPLICATION

- Before use, mix the paint in the container to make it homogenous.
- Application surface should be dry and clean.
- Acricor Silicone+Acrylic should not be diluted more than 10% with water by volume, BM and BC bases should not be diluted more than 5% with water.
- It should be use products with the same product number on the same surface in order to avoid color shade differences.
- Primers should be applied in 1 coat on the surface.
- Application should be performed according to the specified application directions.
- You should wait minimum 4 – 8 hours between application coats.
- Low ambient and surface temperatures should be increased drying time.
- High hiding performance is depending to be performed to the sweeping with roller and minimum 2 coats the paint application, the primer application, waiting time between the coats, accurate dilute ratios.
- As the precise paint consumption may vary change depending on the surface, it should be determined by test paintwork on the surface to be painted.
- Ensure the ambient and the surface temperature should be between +5 °C and +30 °C from start of the application and until the product is fully dry. And, in these periods, the surface should not be exposed to rain, dew and frost. Otherwise cracking, blistering, early drying, undulating surface etc. problems may appear.

### CLEANING THE APPLICATION TOOLS

Application tools should be cleaned with water immediately after use.

### CHARACTERISTICS RELATED TO ENVIRONMENT AND HUMAN HEALTH

- VOC (Volatile Organic Compounds) limits comply with those specified in "DIRECTIVE 2004/42/CE OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL.
- CIT/MIT in the Paint is below 15ppm.
- It does not contain carbendazim and derivatives.
- It does not contain ethylene-glycol and derivatives. For more detailed information, please contact us.

### STORAGE CONDITIONS

It should be stored in a place dry, well-ventilated, kept away from heat sources and direct sunlight in the temperature range of +5 °C and +35 °C.

### OTHER WARNINGS

Hazardous dust and/or smoke may occur during operations such as sanding and burning on the painted surface. Work in well-ventilated spaces. If required, use proper personal protective equipment. When requested, detailed Safety Data Sheet is made available for detailed information.

**G** Our product has a national mark that indicates it's safe as per the Construction Materials Regulation. The product is manufactured in accordance with the national technical specifications within the scope of Conformity Confirmation System 4.

**TSE** IT CONFORMS TO TS 7847.  
TS 7847/14.06.2012

### PRODUCT RELEASE

**Packaging 13 L / 20 KG**

**COLOUR White**

### FIELDS OF USE

It is safely used for decorative purpose on conventional plaster, concrete, gross concrete, chipboard, gas concrete, brick, etc., as well as formerly surface. The sub-surface should be able to support the top surface. Please see the Surface Preparation and Application sections for details.

### CHARACTERISTICS

It has excellent decorative appearance with the special particles that acrylic binding character is provide and high-quality titanium compounds. It is a long-lasting exterior wall paint that resistant to the weather conditions, sun rays, friction and abrasion, protecting the applied surfaces for long years and it ensures aesthetic appearance, preventing color change over time, easy to apply and excellent Covering Capacity.

### TECHNICAL SPECIFICATIONS OF THE PRODUCT

Appearance	Exterior wall coating with textured	
Chemical Structure	Acrylic co-polymer, latex	
Drying time between coats	Minimum 4-8 hours after the primer application (20oC, 50% RH) High relative humidity and low temperature can be increase drying time.	
Complete drying	Minimum 24 hours (20oC, 50%RH) High relative humidity and low temperature can be increase drying time.	
Recommended application coat	1 coat or 2 coats (may vary depending on the sub-surface condition.)	
Consumption (Theoretical)	0.8-1.2 kg/m <sup>2</sup> in one coat (0.55-0.80 L/m <sup>2</sup> )	
Covering Power (Theoretical)	1,5 m <sup>2</sup> /L (at 350±50 micron dry film thickness) in one coat.	
<b>EN 1062-1 Classification Standard</b>	<b>(European Norms)</b>	
Gloss	Gloss value is not measured for the paints with grain.	
Dry film thickness	Class E4	TS EN ISO 787-7
Grain size	Class S3 (Thick)	TS EN ISO 1524
Water vapour transmission rate	Class V2 (Medium) TS EN ISO 7783-2	TS EN ISO 7783-2
Water transmission rate	Class W3(Low)	TS EN 1062-3
Crack bridging capacity	Class A0	TS EN ISO 1062-7
CO <sub>2</sub> permeability	Class C0	TS EN ISO 1062-6

### SURFACE PREPARATION

**For bare surfaces:** Minimum 21 days (recommended for 20oC) should be waited for setting the plaster or the concrete on the newly plastered and gross concrete surfaces. Any dirt, dust and release agents on the application surface should be neutralized and removed off the surface by chemical wash or wiping. If detergent water or chemical has been used for cleaning of the surface, you should rinse the surface once more by clear water. Never paint, the surfaces not dry, clean and strength that could support the next coats. Any irregularity on the surface should be leveled by use of Marshall Exterior Putty or mesh putty etc., depending on the depth. No application should be made before the putty gets dry and sanded; after removal of the sanding dust, depending on the characteristic of the surface, one of Acricor Silicone Primer, Acricor Silicone + Hiding Primer, Acricor Anti Alkali+Hiding Primer, Isolation Primer (1 cup of primer is diluted with 7 cups of water) should be definitely applied in 1 coat.

**For formerly painted surfaces:** Former paint, loose and peeling paint should be scraped off the surface. To remove any level difference on the surface, local puttying should be performed by putty and the surface, especially the puttied parts of it, should be thoroughly sanded to eliminate any level difference. Sanding dusts should be removed off the surface. In order that local puttying operations do not interfere with the topcoat as stain, the locations filled with putty should be painted for repair in a color close to the former paint. Never paint, the surfaces not dry, clean and strength that could support the next coats. Depending on the surface condition, one of Acricor Silicone Primer, Acricor Silicone + Hiding Primer, Acricor Anti Alkali+ Hiding Primer, Isolation Primer (1 cup of primer is diluted with 7 cups of water) should be definitely applied in 1 coat in accordance with the instructions in the product technical bulletin.



## AKRIKOR SILICONED PRIMER



WATER BASED

### APPLICATION

**Recommended Application Tools:** Exterior Roller, Coral Roll.

**Dilution medium:** It should be diluted with clean water.

**Dilution Amount (by Volume):**

1. On the plastered, former painted surface applications, To obtain a more distinctive pattern, the coating is applied in 1 coat without dilution. To obtain a thin pattern, 10 parts ACRIOR ACRYLIC GRAINY can be applied dilution with 1 part water (10%).
2. On the thermal insulation systems: The product is diluted 20-30% by volume for 1st coat. The product is applied without dilution for 2nd coats. In case the sub-surface is rough, no diluting is recommended. For the large-scaled applications performed with the exterior wall paints, it should be careful to the same ratio dilution to avoid the color shades differences.

**Recommended Primers:** One of Acricor Silicone Primer, Acricor Silicone+Hiding Primer, Acricor Anti-Alkali+Hiding Primer, Isolation Primer (1 cup of primer is diluted with 7 cups of water), should be definitely applied in 1 coat in accordance with the instructions in the technical bulletin of the product.

**Application:** 1- Proper primer is selected and applied in 1 coat for the surface with sub-surface treatment completed, and then ACRICOR ACRYLIC GRAINY should be applied. If the plaster or gross concrete of the application surface is rough, the paint is applied in 1 coat without dilution. Roller should be moved in one direction. While the finish step, the roller should end up the downward direction. Otherwise, surface distortion and hue differences may occur. You should take care during application that there is no overlapping between the coats. You should wait for minimum 4-8 hours between the application coats. In the applications on the thermal insulation systems: The product is diluted 20-30% by volume for 1st coat. The product is applied for 2nd coats without dilution. It should not be applied in rainy weather and on facades exposed to direct and intense sun. The intermediate coats of the primer and paint should not be exposed to rain, dew and frost.

### CONSIDERATIONS FOR APPLICATION

- The paint should be stirred with a low-speed drill in the pot to make it homogenous before use.
- Ensure the ambient and the surface temperature should be between +5°C and +30°C from start of the application and until the product is fully dry. And, in these periods, the surface should not be exposed to rain, dew and frost. Otherwise cracking, blistering, early drying, undulating surface etc. problems may appear.
- Application surface should be dry and clean.
- Application should be performed in accordance with the specified application characteristics.
  - You should wait minimum 4 – 8 hours between paint coats.
  - Low ambient and surface temperatures should be increased drying time.
  - As the precise paint consumption may vary change depending on the surface, it should be determined by test paintwork on the surface to be painted.
  - It is recommended to use products with the same product number on the same surface in order to avoid color shade differences.
  - Primers should be applied in 1 coat on the surface.

### CLEANING THE APPLICATION TOOLS

Application tools should be cleaned with water immediately after use.

### CHARACTERISTICS RELATED TO ENVIRONMENT AND HUMAN HEALTH

- VOC (Volatile Organic Compounds) limits comply with those specified in "DIRECTIVE 2004/42/CE OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL.
- CIT/MIT in the Paint is below 15ppm.
- It does not contain carbendazim and derivatives.
- It does not contain ethylene-glycol and derivatives.

### STORAGE CONDITIONS

It should be stored in a place dry, well-ventilated, kept away from heat sources and direct sunlight in the temperature range of +5 °C and +35 °C.

### OTHER WARNINGS

Hazardous dust and/or smoke may occur during operations such as sanding and burning on the painted surface. Work in well-ventilated spaces. If required, use proper personal protective equipment. When requested, detailed Safety Data Sheet is made available for detailed information.

**G** Our product has a national mark that indicates it's safe as per the Construction Materials Regulation. The product is manufactured in accordance with the national technical specifications within the scope of Conformity Confirmation System 4.

**TSE** IT CONFORMS TO TS 7847.  
TS 7847/14.06.2012

### PRODUCT RELEASE

Packaging 4 L - 12,5 L

### FIELDS OF USE

It is used to complete performance of the topcoat paint, maximize adhesion and reduce consumption for topcoat on the structural components such as plaster, gross concrete, chipboard, gas concrete, brick and concrete board, etc. Please see the Surface Preparation and Application sections for details.

### CHARACTERISTICS

Thanks to its powerful binding feature and micronized granular structure unfilled, it permeates deeply into the surfaces and binds free granules; and it creates a sound subsurface reduced absorption and improved adhesion power for the topcoat to be applied. Because of silicone it contains, it significantly decreases moisture absorption feature of the surface. It has been developed especially for use under the exterior wall paints. It may also be used on the interior walls if desired.

### TECHNICAL SPECIFICATIONS OF THE PRODUCT

Appearance	Transparent exterior wall primer
Chemical Structure	Siliconed modified acrylic co-polymer
Complete Drying	Minimum 12 hours (20 °C, 50%RH) High relative humidity and low temperature can be increase drying time.
Topcoat paint application	It is recommended to wait 12 hours to apply topcoat paint on it.
Recommended application coat	Minimum 1 coat.
Consumption (theoretical)	0,030 – 0,050 L/m <sup>2</sup> in one coat (may vary depending on the sub-surface condition.)
Covering power (theoretical)	15 m <sup>2</sup> /L (at 28±5 micron dry film thickness) in one coat.

### SURFACE PREPARATION

**For bare surfaces:** Any materials reducing adhesion such as free sand, dust and grease should be removed of the surfaces to which ACRICOR SILICONE PRIMER to be applied. Minimum 21 days (recommended for 20oC) should be waited for setting the plaster on the newly plastered surface. If there are residues, such as release agents and grease on the application surface should be cleaned and rinsed by chemical wash. Any plaster irregularity on the surface should be filled with putty, and, if very smooth surface is desired, the plastered surface should be scraped off. Putty may be applied to the entire surface. After the putty gets dry, it may be slightly sanded off. Sanding dusts should be removed off the surface. Never paint, the surfaces not dry, clean and strength that could support the next coats. After these operations, ACRICOR SILICONE PRIMER should be applied in 1 thin coat, without allowing it to form a film on the surface. Minimum 12 hours after the application of ACRICOR SILICONE PRIMER, Marshall water based exterior topcoat products may be applied on it.

**For formerly painted surfaces:** Any loose and peeling paint on the surface should be cleaned off; surface should be strength that supports the next coats. Level irregularities on the surface should be filled with putty and sanded off. The entire surface should be slightly sanded or brushed by wire brush, eliminating free dusts from the surface.

### APPLICATION

**Recommended Application Tools:** Exterior Roller, Brush or Coral Roller.

**Dilution Ratio:** It does not require dilution; ready to apply.

**Recommended Topcoat paints:** All Water-based exterior paints and coating agents

**Application:** It is very important that the application should be in 1 very thin coat and no overlay should be at the cutoffs and it should not form film on the surface. Otherwise, the topcoat paint to be applied on it may appear weak adhesion and cracks. Minimum 12 hours after the application of ACRICOR SILICONE PRIMER, water based exterior topcoat products may be applied on it.



## PROTECT SILICONED FLAT



WATER BASED

### CONSIDERATIONS FOR APPLICATION

- Primer should be stirred in the pot before use.
- Ensure the ambient and the surface temperature should be between +5°C and +30°C from start of the application and until the product is fully dry. And, in these periods, the surface should not be exposed to rain, dew and frost. Otherwise cracking, blistering, early drying, undulating surface etc. problems may appear.
- Make sure the application is performed very thin. No film should form on the surface. If a film forms on the surface, a thin grinding should be performed.
- Care should be given that no overlay may occur at the places of application.
- It is used without dilution.
- If the cracks on the surface is wider than 1mm, they should be repaired with reinforcement mesh.
- As the precise paint consumption may vary change depending on the surface, it should be determined by test paintwork on the surface to be painted.
- Application surface should be dry and clean.
- You should wait at least 12 hours to apply the topcoat application on it.

### CLEANING THE APPLICATION TOOLS

Application tools should be cleaned with water immediately after use.

### CHARACTERISTICS RELATED TO ENVIRONMENT AND HUMAN HEALTH

- VOC (Volatile Organic Compounds) limits comply with those specified in "DIRECTIVE 2004/42/CE OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL.
- CIT/MIT in the Paint is below 15ppm.
- It does not contain carbendazim and derivatives.
- It does not contain ethylene-glycol and derivatives.

### STORAGE CONDITIONS

It should be stored in a place dry, well-ventilated, kept away from heat sources and direct sunlight in the temperature range of +5 °C and +35 °C.

### PRODUCT RELEASE

Packaging 2,5 L-7,5 L- 15 L

### COLOUR

White, BW, BM, BC (Tinting System)

### FIELDS OF USE

It is safely used as decorative and protector on the conventional plaster, concrete, gross concrete, chipboard, gas concrete, brick, etc., as well as on surfaces formerly painted. The sub-surface should be able to support the top surface.

### CHARACTERISTICS

Its structure of the silicone modified latex, show high breathability (water vapor permeability) and low water permeability specs (water absorption). It contains quality titanium compounds. It is a long-lasting exterior wall paint resistant to the weathering factors, sun lights, friction and corrosion, providing durability the applied surfaces for many years and provides an aesthetic appearance its dirt-repellant features, preventing color change over time, easy to apply and excellent covering power.

### TECHNICAL SPECIFICATIONS OF THE PRODUCT

Appearance	Matt, smooth appearance, top-coat paint	
Chemical Structure	Siliconated modified acrylic copolymer latex	
Drying time between coats	Minimum 4-8 hours after the primer application (20 °C, 50% RH) High relative humidity and low temperature can be increase drying time.	
Complete drying	Minimum 24 hours (20 °C, 50%RH) High relative humidity and low temperature can be increase drying time.	
Recommended application coat	Minimum 2 coats (May vary depending on the subsurface condition.)	
Consumption (Theoretical)	0.060-0,070 L/m <sup>2</sup> in one coat- May vary depending of the surface condition.	
Covering Power (Theoretical)	15 m <sup>2</sup> /L (at 28±5 micron dry film thickness) in one coat.	
<b>EN 1062-1 Classification Standard</b>	<b>(European Norms)</b>	
Gloss	Class G3	TS EN ISO 2813
Dry film thickness	Class E2	TS EN ISO 787-7
Grain size	Class S1	TS EN ISO 1524
Water vapour transmission rate	Class V1	TS EN ISO 7783-2
Water transmission rate	Class W3	TS EN 1062-3
Crack bridging capacity	Class A0	TS EN ISO 1062-7
CO2 permeability	Class C0	TS EN 1062-6

### SURFACE PREPARATION

**For bare surfaces:** Minimum 21 days (recommended for 20oC) should be waited for setting the plaster and the concrete on the newly plastered and new gross concrete surface. Any dirt, dust and mould release agents on the application surface should be neutralized and removed off the surface by chemical wash or wiping. If detergent water or chemical has been used for cleaning of the surface, you should rinse the surface once more by clear water. Never paint, the surfaces not dry, clean and strength that could support the next coats. Any irregularity on the surface should be leveled by use of Marshall Exterior Putty or mesh putty etc., depending on the depth. No any application should be made before the putty gets dry and sanded; after removal of the sanding dust, depending on the characteristic of the surface, one of Acricor Silicone Primer, Acricor Anti Alkali+Hiding Primer, Acricor Silicone+Hiding Primer, Isolation Primer should be applied in 1 coat in accordance with the instructions in the product technical bulletin. It is recommended to use products with the same product number on the same surface in order to avoid color shade differences in retouch works. Surfaces to apply the paint and primer should be able self-supporting.

**For formerly painted surfaces:** Former paint, loose and peeling paint should be scraped off the surface. To remove any level difference on the surface, local puttying should be performed by putty and the surface, especially the putted parts of it, should be thoroughly sanded to eliminate any level difference. Sanding dusts should be removed off the surface. In order that local puttying operations do not interfere with the topcoat as stain, the locations filled with putty should be painted for repair in a color close to the former paint. Never paint, the surfaces not dry, clean and strength that could support the next coats. Depending on the surface condition, one of Acricor Silicone Primer, Acricor Anti Alkali+Hiding Primer, Acricor Silicone+Hiding Primer, Isolation Primer (1 cup primer, 7 cups water) should be definitely applied in 1 thin coat in accordance with the instructions in the product technical bulletin.

### APPLICATION

**Recommended Application Tools:** Exterior Roller, Brush.

**Dilution medium:** It should be diluted with clean water.

**Dilution Ratio:** It should be diluted max. 10% by volume. May encounter covering problems if BM and BC base paints are than more 5% diluting.

**Recommended Primers:** One of Acricor Silicone Primer, Acricor Anti Alkali+Hiding Primer, Acricor Silicone+Hiding Primer, Isolation Primer (1 / 7) should be definitely applied in 1 thin coat in accordance with the instructions in the technical bulletin of product.

**Application:** 1- Proper primer is selected and applied in 1 coat for the surface with sub-surface treatments completed, and then, after 12 depending on the type of the primer, PROTECT SILICONE FLAT should be applied in minimum 2 coats. Assure during application that roll movements should be in one direction. Otherwise, surface distortion and hue differences may occur. You should take care during application that there is no overlapping between the coats. You should wait for minimum 4-8 hours depending on the ambient temperature and humidity between the application coats. It is recommended to be performed sweeping process passing over the painted surface without paint with same roller after 2-3 minutes depending to ambient temperature of roller applications for a homogenous and more covering surface. It should not be applied on the facades exposed to intense and direct sun, in rainy weather. The intermediate coats of the primer and paint should not be exposed to rain, dew and frost.



#### CONSIDERATIONS FOR APPLICATION

- Before use, mix the paint in the pot to make it homogenous.
- Ensure the ambient and the surface temperature should be between +5°C and +35°C from start of the application and until the product is fully dry. And, in these periods, the surface should not be exposed to rain, dew and frost. Otherwise cracking, blistering, early drying, undulating surface etc. problems may appear.
- Application surface should be dry and clean.
- PROTECT SILICONE FLAT should not be diluted with water more than 10%. BM and BC base not be diluted with water more than 5%.
- Application should be performed according to the specified application directions.
- You should wait minimum 4 – 8 hours between application coats.
- Low ambient and surface temperatures should be increased drying time.
- As the precise paint consumption may vary change depending on the surface, it should be determined by test paintwork on the surface to be painted.
- It is recommended to use products with the same product number on the same surface in order to avoid color shade differences.
- Primers should be applied in 1 coat on the surface.

#### CLEANING THE APPLICATION TOOLS

Application tools should be cleaned with water immediately after use.

#### CHARACTERISTICS RELATED TO ENVIRONMENT AND HUMAN HEALTH

- VOC (Volatile Organic Compounds) limits comply with those specified in "DIRECTIVE 2004/42/CE OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL.
- CIT/MIT in the Paint is below 15ppm.
- It does not contain carbendazim and derivatives.
- It does not contain ethylene-glycol and derivatives.

#### STORAGE CONDITIONS

It should be stored in a place dry, well-ventilated, kept away from heat sources and direct sunlight in the temperature range of +5 °C and +35 °C.

#### OTHER WARNINGS

Hazardous dust and/or smoke may occur during operations such as sanding and burning on the painted surface. Work in well-ventilated spaces. If required, use proper personal protective equipment. When requested, detailed Safety Data Sheet is made available for detailed information.



Our product has a national mark that indicates it's safe as per the Construction Materials Regulation. The product is manufactured in accordance with the national technical specifications within the scope of Conformity Confirmation System 4.



IT CONFORMS TO TS 7847.  
TS 7847/14.06.2012

## AS PRIMER



WATER BASED

#### PRODUCT RELEASE

Packaging 15 KG

COLOUR Transparent

#### FIELDS OF USE

It is used before applying gypsum or cement-based plaster on surfaces such as wall & ceilings, plaster, concrete, plaster column that as well as smooth and gloss surfaces such as ceramic, gross concrete, sandstone, marble, clinker. Please see the Surface Preparation and Application sections for details.

#### CHARACTERISTICS

It is ready of use. It is applied quick & easy. It has excellent adhesion on the surface. Thanks to special polymer structure, has high waterproof characteristics. It has high resistance to humidity. It prevents the rapid water loss of mortar by applying before the cement and gypsum based coverings. Water based and odourless. Used safely on interior & exterior.

#### TECHNICAL SPECIFICATIONS OF THE PRODUCT

Appearance	White exterior wall primer
Chemical Structure	Acrylic emulsion
Complete drying	1-3 hours High relative humidity and low temperature can be increase drying time.
Recommended application coat	1 coat
Covering Power (theoretical)	4-8 m <sup>2</sup> /L
Topcoat paint application	It is recommended to allow min. 24 hours to apply topcoat
Consumption (theoretical)	0.125-0.25 L/m <sup>2</sup> at one coat.

#### APPLICATION

**Recommended Application Tools:** Exterior Roller, Brush or Roller

**Dilution medium:** It should be diluted with water.

**Dilution Ratio:** It should be diluted with a max. 10% water.

**Application:** MB GROSS CONCRETE PRIMER should be applied on the surface that by mixing until it becomes homogenous in a clean container adding the recommended amount of clean water.

Product in the container can should be kept by mixed until homogeneous in periodically and care should be taken against collapse.



## EXTERIOR FILLER



WATER BASED

### CONSIDERATIONS FOR APPLICATION

- Before use, primer should be stirred in its container.
- As the precise paint consumption may vary change depending on the surface, it should be determined by test paintwork on the surface to be painted.
- Primers should be in 1 coat on the surface.
- Ensure the ambient and the surface temperature should be between +5 °C and +35 °C from start of the application and until the product is fully dry. And, in these periods, the surface should not be exposed to rain, dew and frost. Otherwise cracking, blistering, early drying, undulating surface etc. problems may appear.
- Take care that no overlay of coats occurs at the places it is applied.
- The application surface should be cured.
- The application surface should be dry.
- Don't apply very humid and/or very hot weathers.

### CLEANING THE APPLICATION TOOLS

Application tools should be cleaned with water immediately after use.

### CHARACTERISTICS RELATED TO ENVIRONMENT AND HUMAN HEALTH

For more detailed information, please contact us.

### STORAGE CONDITIONS

It should be stored in a place dry, well-ventilated, kept away from heat sources and direct sunlight in the temperature range of +5 °C and +35 °C.

### OTHER WARNINGS

Hazardous dust and/or smoke may release during operations such as sanding and burning on the painted surfaces. Work in well-ventilated spaces. If required, use proper personal protective equipment. Safety Data Sheet is available you request any further information.

\* There is no Turkish Standard (TS) yet published for water-based primer applications. It is presented for your consumption with Marshall quality and service concept.

### PRODUCT RELEASE

Packaging 4,5 KG - 25 KG

COLOUR White

### FIELDS OF USE

It is used for plaster, ytong, wood, chipboard, mineral surfaces, glass fiber and wall paper, for correction of concrete surface pores and mould joints defects of the prefabricated constructions. Please see the Surface Preparation and Application sections for details.

### CHARACTERISTICS

It is resistant to water, humidity and impacts since contains the high quality additives. Easily and quick applied using trowel and spatula. Saves labour and time. It seals shrinkage cracks and reduces paint consumption to apply on it. It allows breathes of buildings thanks to high vapour permeability.

### TECHNICAL SPECIFICATIONS OF THE PRODUCT

Appearance	Viscose mix with paste texture
Chemical Structure	Acrylic copolymer emulsion based
Drying time between coats	Minimum 12 hours (20 °C, 50% RH)
Complete drying	Minimum 36 hours (20 °C, 50%RH)
Consumption (Theoretical)	0.500-1.000 kg/m <sup>2</sup> in one coat- May vary depending of the surface condition.
Covering Power (Theoretical)	4 m <sup>2</sup> for 4,5 kg/22,5 m <sup>2</sup> for 25 kg.
Recommended application coat	2 coats

### SURFACE PREPARATION

**For bare surfaces:** Exposed concrete, plaster and similar surfaces are scraped off and dust removed. If there are mould release agents, grease and similar remnants onto the surface should be cleaned by chemical or detergent washing. The surface which is washed with chemical and detergent, you should rinse once more by clean water. All cleaned surfaces or problematic parts are ready to apply of MB EXTERIOR WALL PUTTY. In the case of highly absorbing and dusty surfaces, recommended to apply of MB ACRICOR SILICONE PRIMER or GROSS CONCRETE PRIMER in 1 very thin coat before application.

**For formerly painted surfaces:** Former paints, loose paint should be scraped off on the application surface. Surface should be strength that supports the next coats. That cannot be scraped and well adhered paints are lightly sanded. Free dusts on the entire surface is removed off. Any level difference that may occur after scraping off the paint is removed by filling with MB External Wall Putty. If desired, you may apply 1 coat of Marshall External Wall Putty to the entire surface to have a smoother and sound surface. In case of such applications, be careful that the paint on the sub-surface is sound. When the putty gets dry, any signs caused by the application are sanded off to have a proper surface. Depending on the surface condition, Acricor Silicone Primer or GROSS CONCRETE PRIMER should be definitely applied in 1 coat.

### APPLICATION

**Recommended Application Tools:** Scraper, flexible steel trowel

**Dilution Medium:** It should be diluted with water.

**Dilution Ratio:** It should be diluted max. 10% by volume

**Recommended Primers:** Before of Marshall Exterior Wall Putty, in the case of high absorbing and dusty surfaces, recommended to apply of Acricor Silicone Primer or Gross Concrete Primer in 1 very thin coat as not to create film on the surface.

### APPLICATION:

The application surfaces should be dry, dust-free, clean. Surface should be strength that supports the next coats. Before application, formerly paint residues, concrete plaster remnants and similar dirt, dust on the surface should be removed by mechanical means such as wiping or scraping. Before of Marshall Exterior Wall Putty, in the case of highly absorbing and dusty surfaces, recommended to apply of Acricor Silicone Primer in 1 very thin coat as not to create film on the surface. It should be wait for 12 hours after primer application. Stir well before use. Application should be performed with spatula and flexible steel depending on the surface condition. In case needs, can be applied as 2 coats, but the thickness of application coats should not exceed 1 mm. It should wait 24 hours for second coat application.



## ISOLATION PRIMER



WATER BASED

### CONSIDERATIONS FOR APPLICATION

- Before use, the paint should be stirred in the pot to make it homogenous.
- Ensure the ambient and the surface temperature should be between +5°C and +35°C from start of the application and until the product is fully dry. And, in these periods, the surface should not be exposed to rain, dew and frost. Otherwise cracking, blistering, early drying, undulating surface etc. problems may appear.
- Application surface should be dry and clean.
- Application should be performed according to the specified application directions.
- Be careful not to apply under extreme wind or direct sunlight.

### CLEANING THE APPLICATION TOOLS

Application tools should be cleaned with water immediately after use.

### CHARACTERISTICS RELATED TO ENVIRONMENT AND HUMAN HEALTH

- VOC (Volatile Organic Compounds) limits comply with those specified in "DIRECTIVE 2004/42/CE OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL.
- CIT/MIT in the Paint is below 15ppm.
- It does not contain carbendazim and derivatives.
- It does not contain ethylene-glycol and derivatives.

### STORAGE CONDITIONS

It should be stored in a place dry, well-ventilated, kept away from heat sources and direct sunlight in the temperature range of +5 °C and +35 °C.

### OTHER WARNINGS

Hazardous dust and/or smoke may occur during operations such as sanding and burning on the painted surface. Work in well-ventilated spaces. If required, use proper personal protective equipment. Safety Data Sheet is available you request any further information.

### PRODUCT RELEASE

Packaging 0,75L -2,5L -7,5L -15L

COLOUR Transparent

### FIELDS OF USE

It is used for plaster, ytong, wood, chipboard, mineral surfaces, glass fiber and wall paper, for correction of concrete surface pores and mould joints defects of the prefabricated constructions. Please see the Surface Preparation and Application sections for details.

### CHARACTERISTICS

It is resistant to water, humidity and impacts since contains the high quality additives. Easily and quick applied using trowel and spatula. Saves labour and time. It seals shrinkage cracks and reduces paint consumption to apply on it. It allows breathes of buildings thanks to high vapour permeability.

### TECHNICAL SPECIFICATIONS OF THE PRODUCT

Appearance	Transparent exterior primer
Chemical structure	Water based acrylic co-polymer
Consumption (practical)	0,100 – 0,150 L/m <sup>2</sup> when used as anti-moisture isolation. 0.040 – 0.060 L/m <sup>2</sup> when used as primer.
Covering power (Theoretical)	8 m <sup>2</sup> /L when used as anti-moisture isolation. 20 m <sup>2</sup> /L when used as primer.
Topcoat paint application	Recommended to wait for 24 hours for topcoat paint on it
Recommended application coat	1 coat

### SURFACE PREPARATION

**For bare surfaces:** Any mould release agent, dirt, grease etc. on the application surface should be removed off the surface by detergent water or chemical washing and the surface is rinsed once more clear water. Any free dust and plaster remnants and etc., on the surface should be brushed off. Surface should be strength that supports the next coats. Clean surfaces are ready to apply the ISOLATION PRIMER.

**For formerly painted surfaces:** Former paints, loose paint should be scraped off on the application surface. Surface should be strength that supports the next coats. Any irregular levels on the surface should be filled with putty and sanded. If desired, putty may apply on the entire surface. After the putty gets dry, it should be sanded and free dusts should be removed off the surface. Now, surface is ready to apply the ISOLATION PRIMER.

### APPLICATION

**Recommended Application Tools:** It may be applied with roller, brush or paint gun.

**Dilution Medium:** Dilute with clean water.

**Dilution rate:** 1 part ISOLATION PRIMER is diluted with 1 part water for moisture-retardant primer (isolation). If ISOLATION PRIMER to use as a paint primer, 1 part ISOLATION PRIMER is diluted with 7 parts water.

**Recommended top coats:** Water and solvent based topcoat paints

**Application:**

**a)** Uses as insulation primer: When it will be used as insulation material for its water-repellant characteristics, ISOLATION PRIMER, diluted to the dilution rate, is applied by roller to the painted surface or to plaster, gross concrete and similar surfaces which will not be painted. As the product will form a film on the surface in case of application for isolation purpose, it should not be painted over. Otherwise, it causes cracks and looseness on the paint surface and paint may not adhere.

**b)** Uses as paint primer: In cases ISOLATION PRIMER is used to reduce absorption of the paint to be applied on it and better adhesion of the paint onto the surface, 1 part İZOLASYON ASTARI is diluted by minimum 7 parts water and applied to the surface by roller in 1 coat very thin. Take care not to overlay during the application and not to create film on the surface and dilution rate of the primer. Otherwise, it may cause crack on the paint to be applied over it, resulting in a wavy appearance.



#### CONSIDERATIONS FOR APPLICATION

- The primer should be stirred in its pot before use.
- Ambient and surface temperature for the paint applications should not be below +5°C and above +35°C.
- If paint shall be applied on it, ISOLATION PRIMER should be applied very thin and 1 part ISOLATION PRIMER should be diluted with 7 parts water.
- In all applications, pay attention to the dilution rate.
- No film should be form on surface in applications in the primer purpose. If film forms on the surface, you should remove it sanded by use of a slight sanding.
- Take care that no overlay of coats occurs at the places it is applied.
- Comply with the storage conditions determined for the product. If not, chunks may occur in the product which cannot be eliminated by stirring.
- Low ambient and surface temperatures should be increased drying time.
- As the precise paint consumption may vary change depending on the surface, it should be determined by test paintwork on the surface to be painted.
- Primers should be in 1 coat on the surface.

#### CLEANING THE APPLICATION TOOLS

Application tools should be cleaned with water immediately after use.

#### CHARACTERISTICS RELATED TO ENVIRONMENT AND HUMAN HEALTH

- VOC (Volatile Organic Compounds) limits comply with those specified in "DIRECTIVE 2004/42/CE OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL.
- CIT/MIT in the Paint is below 15ppm.
- It does not contain carbendazim and derivatives.
- It does not contain ethylene-glycol and derivatives.

#### STORAGE CONDITIONS

It should be stored in a place dry, well-ventilated, kept away from heat sources and direct sunlight in the temperature range of +5 °C and +35 °C.

#### OTHER WARNINGS

Hazardous dust and/or smoke may release during operations such as sanding and burning on the painted surfaces. Work in well-ventilated spaces. If required, use proper personal protective equipment. When requested, Safety Data Form is made available for detailed information.

\* There is no Turkish Standard (TS) yet published for water-based primer applications. It is presented for your consumption with Marshall quality and service concept.

  
**Marshall**  
let's colour

# WOOD-METAL PAINTS AND PRIMERS TECHNICAL BULLETIN CATALOGUE



AkzoNobel

## WOOD-METAL PAINTS AND PRIMERS

- LUXE GLOSS
- ENAMEL GLOSS
- ENAMEL SYNTHETIC PRIMER
- ENAMEL ANTI-RUST
- PANEL DOOR PAINT
- THINNER SYNTHETIC



## LUXE GLOSS



SOLVENT BASED

### PRODUCT RELEASE

Packaging 0.75 L, 1L -2.5 L- 3.75 L-7.5L- 15 L

Color See Color Chart of Wood-Metal Paints

### FIELDS OF USE

It is used as super gloss top coat paint on the interior & exterior construction of metal, interior and exterior surfaces of all types of structural members such as door, window, railing, wood.

### CHARACTERISTICS

It is suitable for use on the interior and exterior surfaces of wood, metal and similar structural members. With the high covering, the high gloss and the color tones lasting for years without any change, maintains the applied surfaces and giving a decorative appearance. It is a high quality, decorative and durable top coat paint that provides smooth surfaces thanks to easy to apply and good spreading properties.

### TECHNICAL SPECIFICATIONS OF THE PRODUCT

Appearance	Smooth topcoat paint
Chemical structure	Long oil alkyd resin
Drying time between the coats	Minimum 12 hours. High relative humidity and low
temperature can be increase drying time.	Maks. 48 saat - Yüksek bağıl nem ve düşük sıcaklıkta kuruma süresi uzayabilir.
Complete drying	Maximum 48 hours. High relative humidity and low
temperature can be increase drying time.	%59-73 (Renge göre değişir.)
Recommended number of coats	Minimum 2 coats
Consumption (theoretical)	59-73% (may vary depending on color)
Covering power (theoretical)	20m <sup>2</sup> / (at 28±5 micron dry film thickness)
Viscosity	90-105 KU/25 °C
Flash Point	Min. 38 °C

### SURFACE PREPARATION

**For bare surfaces** Any dirt and dusts on the application surface should be removed by detergent water, chemical washing or wiping. Never paint, the surfaces not dry, clean and strength that could support the next coats. Irregularities, if any, defects on the wood surfaces should be leveled by the Marshall Putty SN. After applying "Cuprinol Woodart – For Ultra Natural Woods", 1 coat of Marshall Enamel Synthetic Primer is applied and then min. 2 coats of Luxe Gloss is applied. For metal surfaces, 1 coat of Marshall Enamel Antirust is applied and then 1 coat of Marshall Enamel Synthetic Primer should be applied. Then Marshall Luxe Gloss is applied to the surface. It is recommended to apply Marshall Enamel Synthetic Primer, as primer on the concrete surfaces. Then Marshall Luxe Gloss is applied on the surface.

**For Formerly painted surfaces** Any loose and peeling formerly paints on the surface should be scraped off the surface and no free and loose paint layer should remain. If there is rust on the metal surface, rust should be removed by sanding, wire brush or sanding paper and all surface should be wiped. In order to eliminate any difference of level on the surfaces, you should apply putty locally. In the local puttying, Marshall Putty SN shall be used for wood surfaces and proper metal putty for metal surfaces. Never paint, the surfaces not dry, clean and strength that could support the next coats. Depending on the surface condition, it should be applied Marshall Enamel Antirust for metal surfaces and Marshall Enamel Synthetic Primer for wood surfaces. In order to obtain better performance and thicker film on the metal surfaces, 1 coat of Marshall Enamel Synthetic Primer may be used as intermediate primer after anti-corrosive primer.

### APPLICATION

**Recommended application tools:** Roller, brush

**Dilution Medium:** Marshall Synthetic Thinner

**Dilution rate:** 10 parts Marshall Luxe Gloss is diluted with 1 part Marshall Synthetic Thinner is a rate of 5-10%. You may encounter curtaining and covering problems in case of more dilution.

**Recommended Primers:** On metal surfaces: You may apply 1 coat of Marshall Enamel Synthetic Primer on 1 coat of Marshall Enamel Antirust. For wooden surfaces not treated previously, we recommend you to apply 1 coat of "Cuprinol Woodart Ultra Natural Woods" to protect the wood and then 1 coat of Marshall Putty SN and 1 coat of Marshall Enamel Synthetic Primer thinly. For wooden surfaces painted previously, sand the surface to make it matt and then apply Marshall Putty SN at the required points. It is recommended to apply 1 coat Marshall Enamel Synthetic Primer to the surface thoroughly.

**Application:** Minimum 2 coats of Marshall Luxe Gloss is applied to the sub-surfaces treatments is completed (putty and primer applied), clean and dry surfaces. Marshall Luxe Gloss, prepared according to the dilution rate and stirred as homogenous, is applied by one of the recommended application tools. You should wait for minimum 12 hours for the 2nd coat applies. In case of problematic surfaces, 3rd coat may be required.



#### CONSIDERATIONS FOR APPLICATION

- Paint should be stirred in the pot to make it homogenous before use.
- High hiding performance is depending to be performed to the sweeping with roller and minimum 2 coats the paint application, the primer application, waiting time between the coats, accurate dilute rates.
- As the precise paint consumption may vary change depending on the surface, it should be determined by test paintwork on the surface to be painted.
- The use of the proposed thinner type for the product is important to get the desired result.
- It is recommended to use products with the same product number on the same surface in order to avoid color shade differences in retouch works.
- High relative humidity and low temperature can be increase drying time.
- Colors made from BM and BC bases should be diluted maximum 5% by volume.
- Temperature of ambient and surface in applications should be not below +5 °C and above +35 °C (Otherwise, you may encounter spread, drying and surface problems.)
- Application should be performed in accordance with the specified application characteristics.
- It should be applied in ventilated environments and the necessary safety precautions.
- It should not be diluted more than 10% for top coat application.

#### CLEANING THE APPLICATION TOOLS

Application tools should be cleaned with Marshall Synthetic Thinner immediately after use.

#### CHARACTERISTICS RELATED TO ENVIRONMENT AND HUMAN HEALTH

The product does not contain lead, heavy metals and chromates. The raw materials used in the product have been selected in accordance with the Akzo Nobel Product Stewardship Visions, which are prepared and updated in line with the Directives of European Union, paying regard to environmental and human health as a priority. Although not restricted for use in Turkey, a number of raw materials, which have been restricted in European Union due to objections to their use for human and environmental health, are not used in our products.

- It does not contain carbendazim and derivatives.
- It does not contain ethylene-glycol and derivatives.

#### STORAGE CONDITIONS

It should be stored at protected places that not exposed to direct sunlight, temperature between -0 °C/+35 °C.

#### OTHER WARNINGS

Hazardous dust and/or smoke may release during operations such as sanding and burning on the painted surfaces. Work in well-ventilated spaces. If required, use proper personal protective equipment. When requested, Safety Data Form is made available for detailed information.



It is available a national symbol that indicates our product is in safe with accordance with Construction Product Directive. It is manufactured according to national technical specification within the scope of Eligibility Confirmation System 1.



IT CONFORMS TO TS 39 and TS39/T1.

Public Works Pos. No. Y.25.001/01-

Y.25.001/02-Y.25.002/02

Rate Pos. No. 04.551/07

TS 39/18.02.2016

TS 39/T1/24.03.2016



## ENAMEL GLOSS

#### PRODUCT RELEASE

Packaging 0.75 L, 1L, 2.5 L, 7.5 l, 15 L

#### FIELDS OF USE

It is used as super gloss top coat paint on the interior and exterior construction of metal, interior and exterior surfaces of all types of structural members such as door, window, railing, wood.

#### CHARACTERISTICS

It is suitable for use on the interior and exterior surfaces of wood, metal and similar structural members. With the high covering, the high gloss and the color tones lasting for years without any change, maintains the applied surfaces and giving a decorative appearance. It is a high quality, decorative and durable top coat paint that provides smooth surfaces thanks to easy to apply and good spreading properties.

#### TECHNICAL SPECIFICATIONS OF THE PRODUCT

Appearance	Gloss, smooth topcoat paint
Chemical structure	Long oil alkyd resin
Drying time between the coats	Minimum 12 hours. High relative humidity and low
temperature can be increase drying time.	Maks. 48 saat - Yüksek bağıl nem ve düşük sıcaklıkta kuruma süresi uzayabilir.
Complete drying	Maximum 48 hours. High relative humidity and low
temperature can be increase drying time.	%59-73 (Renge göre değişir.)
Recommended number of coats	2 or 3 coats (depending on the condition of the subsurface)
Permanent substance (by weight)	70.5 – 73.5% (varies depending on color)
Viscosity	80-105 KU/25 °C
Flash Point	Min. 38 °C
Covering capacity (theoretical)	20m <sup>2</sup> /L (at 28±5 micron dry film thickness)
Gloss (60oC)	Min. 85

#### SURFACE PREPARATION

**For bare surfaces** Any dirt and dusts on the application surface should be removed by detergent water, chemical washing or wiping. Never paint, the surfaces not dry, clean and strength that could support the next coats. Irregularities, if any, defects on the wood surfaces should be leveled by the Marshall Putty SN. After applying "Cuprinol Woodart – For Ultra Natural Woods", 1 coat of Marshall Enamel Synthetic Primer is applied and then minimum 2 coats of Marshall Enamel Gloss is applied. For metal surfaces, 1 coat of Enamel Antipas is applied and then 1 coat of Marshall Enamel Synthetic Primer is applied. Then Marshall Enamel Gloss is applied on the surface. It is recommended to apply Marshall Enamel Synthetic Primer, as primer on the concrete surfaces. Then Marshall Enamel Gloss is applied on the surface.

**For Formerly painted surfaces** Any loose and peeling former paints on the surface should be scraped off the surface and no free and loose paint layer should remain. If there is rust on the metal surfaces, rust should be removed by sanding, wire brush or sanding paper and all surface should be wiped. In order to eliminate any difference of level on the surfaces, you should apply putty locally. In order that local puttying operations do not interfere with the topcoat as stain, the locations filled with putty should be painted for repair in a color close to the former paint. In the local puttying, Marshall Putty SN shall be used for wooden surfaces and proper metal putty for metal surfaces. Never paint, the surfaces not dry, clean and strength that could support the next coats. Depending on the surface condition, it should be to applied Marshall Enamel Antirust for metal surfaces and Marshall Enamel Synthetic Primer for wood and concrete surfaces. In order to obtain better performance and thicker film on the metal surfaces, 1 coat of Marshall Enamel Synthetic Primer may be used as intermediate primer after anti-corrosive primer.

#### APPLICATION

**Recommended application tools:** Roller, brush

**Dilution Medium:** Marshall Synthetic Thinner

**Dilution rate:** 10 parts Marshall Enamel Gloss is diluted with 1 part Marshall Synthetic Thinner a rate of 5-10%. You may encounter curtaining and covering problems in case of more dilution.

**Recommended Primers:** On metal surfaces: You may apply 1 coat of Marshall Enamel Synthetic Primer on 1 coat of Marshall Enamel Antirust. For wood surfaces not treated previously, we recommend you to apply 1 coat of "Cuprinol Woodart Ultra Natural Woods" to pre-treatment the wood and then 1 coat of Marshall Putty SN and 1 coat of Marshall Enamel Synthetic Primer thinly. For wooden surfaces painted previously, sand the surface to make it matt and then apply Marshall Putty SN at the required points. It is recommended to apply 1 coat Marshall Enamel Synthetic Primer to the surface thoroughly.



SOLVENT BASED



## ENAMEL SYNTHETIC PRIMER



SOLVENT BASED

### PRODUCT RELEASE

Packaging 1KG, 3KG, 20KG

Color Off-white

### FIELDS OF USE

It is used on the structural components made of conventional plaster, gross concrete, wood, chipboard, metal, plaster, etc.

### CHARACTERISTICS

It is a primer which fills well the surfaces on which it is applied, protects the surface forming a high film on it and ensuring good adhesion of the topcoat and appearance smoother.

### TECHNICAL SPECIFICATIONS OF THE PRODUCT

Appearance	Matt
Chemical structure	Synthetic alkyd resin
Drying time between coats	Min. 12 hours - High relative humidity and low temperature
can be increase drying time.	Maks. 48 saat - Yüksek bağıl nem ve düşük sıcaklıkta kuruma süresi uzayabilir.
Complete Drying	Max. 48 hours - High relative humidity and low temperature can be increase drying time.
Recommended application coats	1 or 2 coats -High relative humidity and low temperature
can be increase drying time.	2 or 3 coats (depending on the condition of the subsurface)
Permanent substance (by weight)	81,5±2,5 %
Viscosity	100-110 KU/25 °C
Flash Point	Min. 38 °C
Covering power (theoretical)	24 m <sup>2</sup> /L (at 28±5µ micron dry film thickness)

### SURFACE PREPARATION

**For bare surfaces** The surfaces on which Marshall Enamel Synthetic Primer to be applied, should be removed of grease, dust and other dirt. The surface should be strength that supports the next coats. You should apply "Cuprinol Wood Art – For Ultra Natural" on the wooden surfaces. Irregularities, if any, on the surface should be leveled by Marshall Putty SN. No application should be made before the putty gets dry and is sanded off. After the sanding dusts are removed, the surface becomes ready for application of Marshall Enamel Synthetic Primer. It is recommended to apply 1 coat of Marshall Enamel Antirust to prevent corrosion before application of Marshall Enamel Synthetic Primer on the metal surfaces.

**For Formerly painted surfaces** All loose and peeling paints on the surface should be scraped off. The surface should be a strength that supports the next coats. All surfaces should be sanded off, dusts wiped, any irregular levels on the surface should be filled with a putty proper to the surface. Marshall Putty SN may be used on the wooden surfaces and proper metal putty on the metal surfaces. No application should be made before the putty gets dry and is sanded off. After the sanding dusts are removed, the surface becomes ready for application of Marshall Enamel Synthetic Primer. It is recommended to apply 1 coat of Marshall Enamel Antirust before application of Marshall Enamel Synthetic Primer on the metal surfaces.

### APPLICATION

On the surface, sanded off and any irregularity of which filled with proper putty, Marshall Enamel Synthetic Primer is applied in 1 or 2 coats as undercoat and filler primer after dilution according to the specified dilution rate. The surface shall become ready to apply the topcoat after minimum 8 hours depending on the ambient conditions. For topcoat applications after 48 hours, the topcoat shall adhere better if the primer is slightly sanded off and dust removed.

**Recommended application tools:** Roller, brush

**Dilution medium:** Marshall Synthetic Thinner

**Dilution ratio:** 10 parts Marshall Enamel Synthetic Primer is diluted with 1 part Marshall Synthetic Thinner by 5% stirred to make it homogenous.

**Recommended Topcoats:** Depending on the gloss desired, Marshall Luxe Gloss, Marshall Enamel Gloss, Marshall Enamel Semi-Matt, Marshall Pastel Matt

**Recommended Primers:** For metal surfaces, Marshall Enamel Antirust after proper putty; for wooden surfaces, "Cuprinol Woodart -for Ultra Natural Woods" followed by Marshall Putty SN.

### CONSIDERATIONS FOR APPLICATION

- Paint should be stirred in the pot to make it homogenous before use.
- High hiding performance is depending to be performed to the sweeping with roller and minimum 2 coats the paint application, the primer application, waiting time between the coats, accurate dilute rates.
- As the precise paint consumption may vary change depending on the surface, it should be determined by test paintwork on the surface to be painted.
- The use of the proposed thinner type for the product is important to get the desired result.
- It is recommended to use products with the same product number on the same surface in order to avoid color shade differences in retouch works.
- High relative humidity and low temperature can be increase drying time.
- Colors made from BM and BC bases should be diluted maximum 5% by volume.
- The temperature of ambient and surface in applications should be not below +5oC and above +35oC (Otherwise, you may encounter spread, drying and surface problems.)
- Application should be performed in accordance with the specified application characteristics.
- It should be applied in ventilated environments and the necessary safety precautions.
- It should not be diluted more than 10% for top coat application.

It is recommended Marshall Putty SN and 1 coat of Enamel Synthetic Primer. For wood surfaces painted previously, sand the surface to make it matt and then apply Marshall Putty SN at the required points. It is recommended to apply 1 coat Enamel Synthetic Primer to the surface thoroughly.

### CLEANING THE APPLICATION TOOLS

Application tools should be cleaned with Marshall Synthetic Thinner immediately after use.

### CHARACTERISTICS RELATED TO ENVIRONMENT AND HUMAN HEALTH

The product does not contain lead, heavy metals and chromates. Raw materials used in the product have been selected according to Akzo Nobel Product Stewardship Visions, which are prepared and updated in line with the Directives of European Union, paying regard to environmental and human health as a priority. Although not restricted for use in Turkey, a number of raw materials, which have been restricted in European Union due to objections to their use for human and environmental health, are not used in our products.

- It does not contain carbendazim and derivatives.
- It does not contain ethylene-glycol and derivatives.

### STORAGE CONDITIONS

It should be stored at protected places that not exposed to direct sunlight, temperature between -0 °C/+35 °C.

### OTHER WARNINGS

Hazardous dust and/or smoke may release during operations such as sanding and burning on the painted surfaces. Work in well-ventilated spaces. If required, use proper personal protective equipment. When requested, Safety Data Form is made available for detailed information.



It is available a national symbol that indicates our product is in safe with accordance with Construction Product Directive. It is manufactured according to national technical specification within the scope of Eligibility Confirmation System 1.



IT CONFORMS TO TS 39.  
TS39/18.02.2016

Public Works Pos. No. Y.25.001/01-  
Y.25.001/02-Y.25.002/02  
Rate Pos. No. 04.551/07



## ENAMEL ANTIRUST



SOLVENT BASED

### PRODUCT RELEASE

Packaging 1KG, 3KG, 20KG

### FIELDS OF USE

Color Gray

It is used as anti-corrosive primer on all surfaces of interior and exterior.

### CHARACTERISTICS

It is a metal priming agent that protects the metal surfaces against corrosion, providing high preservation, good adhesion and good hiding properties.

### TECHNICAL SPECIFICATIONS OF THE PRODUCT

Appearance	Matt appearance, smooth, anti-corrosive metal primer
Chemical structure	Synthetic alkyd resin
Drying time between coats	Min. 5 hours
Complete drying	Max. 48 hours
Recommended number of coats	1 or 2 coats
Permanent substance (by weight)	81±1,5%
Viscosity	100-110 KU/25 °C
Flash Point	Min. 38 °C
Covering power (theoretical)	24 m2/L (at 28±5 micron dry film thickness)

### SURFACE PREPARATION

**For bare surfaces** Surface on which Marshall Enamel Antirust to be applied should be removed of grease, dust and rust. Surface should be strength that supports the next coats. Rusty surfaces should be removed by sanding, wire brushing and wiping. The surface should be cleaned by proper solvent for greased surfaces and then the surface should be painted by Marshall Enamel Antirust. Metal surface, cleaned and degreased, should not be kept long time before the painting operation. Otherwise, metal will be subject to corrosion more quickly.

**For Formerly painted surfaces** Paint remnants and peeling paints should be removed off the surface completely; it is important that loose, free remnants of old paint should not remain on the surface. Rusty areas should be sanded and wiped; cavities on the surface should be filled and leveled with proper putty if there is any difference of the paint and leveled; and subsequently all surfaces should be painted by Marshall Enamel Antirust.

### APPLICATION

Marshall Enamel Antirust should be applied as soon as possible on the cleaned metal surface without keeping the surface exposed for a long time. You should stir well it in the original pot before use. It should be diluted according to the application tool to be used. Minimum 5 hours after application of Marshall Enamel Antirust, 2<sup>nd</sup> coat application should be performed. For topcoat applications to be performed after 24 hours, sanding the surfaces is important for adhesion of the topcoat.

**Recommended application tools:** Roller, brush

**Dilution medium:** Marshal Synthetic Thinner

**Dilution ratio:** It should be diluted according to the application tool to be used. For application to be performed with brush and roller. About 10 parts Marshall Enamel Antirust will be diluted with maximum 1.5 parts Synthetic Thinner by 5-10%.

**Recommended Topcoats:** Depending on the gloss desired, Marshall Luxe Gloss, Marshall Enamel Gloss, Marshall Pastel Semi-Matt, Marshall Pastel-Matt.

### CONSIDERATIONS FOR APPLICATION

- Paint should be stirred in the pot to make it homogenous before use.
- Temperature of ambient and surface in applications should be not below +5 °C and above +35 °C.
- Application surfaces should be dry and clean.
- Application should be performed according to the specified characteristics.
- It should be applied in ventilated environments and the necessary safety precautions.
- You should allow minimum 8 hours before making any application on it.
- It should not be diluted more than 5%.
- As the precise paint consumption may vary change depending on the surface, it should be determined by test paintwork on the surface to be painted.
- High relative humidity and low temperature can be increase drying time.

### CLEANING THE APPLICATION TOOLS

Application tools should be cleaned with Marshall Synthetic Thinner immediately after use.

### CHARACTERISTICS RELATED TO ENVIRONMENT AND HUMAN HEALTH

The product does not contain lead, heavy metals and chromates. Raw materials used in the product have been selected according to Akzo Nobel Product Stewardship Visions, which are prepared and updated in line with the Directives of European Union, paying regard to environmental and human health.

Although not restricted for use in Turkey, a number of raw materials, which have been restricted in European Union due to objections to their use for human and environmental health, are not used in our products.

- It does not contain carbendazim and derivatives.
- It does not contain ethylene-glycol and derivatives.

### STORAGE CONDITIONS

It should be stored at protected places that not exposed to direct sunlight, temperature between -0 °C/+35 °C.

### OTHER WARNINGS

Hazardous dust and/or smoke may release during operations such as sanding and burning on the painted surfaces. Work in well-ventilated spaces. If required, use proper personal protective equipment. When requested, Safety Data Form is made available for detailed information.



It is available a national symbol that indicates our product is in safe with accordance with Construction Product Directive. It is manufactured according to national technical specification within the scope of Eligibility Confirmation System 1.



IT CONFORMS TO TS 11651.  
TS 11651/20.03.2017.

Rate Pos. No. 04.555/10



## PANEL DOOR PAINT



WATER BASED

### PRODUCT RELEASE

Packaging 1 L – 2,5 L

### FIELDS OF USE

Color BW, WHITE

Panel Doors, all soft and hardwoods for interiors.

### CHARACTERISTICS

Marshall Panel Door Paint is a water-based, hiding paint for panel doors. It has a flexible structure and penetrate deeply into the surface. The paint does not break the natural look the panel door, allows the surface texture would show up. Marshall Panel Door paint is an ideal choice for places where color change is desired.

### TECHNICAL SPECIFICATIONS OF THE PRODUCT

Appearance	White, covering
Chemical structure	Acrylic, alkyd emulsion
Drying time between coats	Min. 2-4 hours - High relative humidity and low temperature can be increase drying time.
Complete drying	Max. 24 hours - High relative humidity and low temperature can be increase drying time.
Recommended number of coats	Minimum 2 coats
Consumption (theoretical)	0.096-0.120 kg/m <sup>2</sup> (0.080-0.100 L/m <sup>2</sup> ) at one coat (may vary depending on absorptive of the surface.)
Covering power (theoretical)	8-10 m <sup>2</sup> /L at one coat.

### SURFACE PREPARATION

Surfaces to be applied of Marshall Panel Door Paint must be complete free from dust, dirt, grease, formerly paint and varnish remnants. The moisture content of the wood must not exceed 15%.

### APPLICATION

Marshall Panel Door Paint is ready to apply and does not require dilution. It should be stirred well before application. Surface preparation should be performed carefully. For bare and painted surfaces should be lightly sanded with proper sandpaper; however, the existing moiré patterns on panel door must be careful not to get lost. For this, if necessary, it must be used soft abrasives such as spongy/fiber. Before application, on the surface should be no present substances (dust, dirt, grease, water, etc.) that may prevent the paint application. Never paint, the surfaces not dry, clean and strength that could support the next coats. Application should be performed in the direction of moiré patterns with roller in large areas and with a brush in narrow areas. Because would reduce the absorption and adhesion and also prolong the drying time, do not apply ambient the floor and ambient temperature is below + 10°C and above + 30°C in humid weather. By observing to the waiting time between the coats, it should be applied in 2 coats. Paint care should be applied to all over of the surface. It should be careful to applications on the door tops and bottoms, doorsteps, window frames. To ensure a homogenous color, the brush or roller should be applied in the direction of the moiré patterns on wood. Door may be wipeable minimum of seven days after the application. It is recommended to wipe with a moist cloth. As the precise paint consumption may vary change depending on the surface condition, number of coats to be applied and application type, it should be determined by test paintwork on the surface. In the woods in a flat horizontal position which to be exposed to impact and heat, after the product is applied 2 coats and dry, it is recommended to apply one coat of water-based parquet varnish that by sanded with proper sandpaper and removed sanding dust.

**Recommended application tools:** Roller and brush.

**Dilution Ratio:** It does not require dilution. Ready to apply

- Temperature of ambient in applications should be not below +5 °C and above +35 °C
- Application surfaces should be dry and clean.
- Application should be performed according to the specified characteristics.
- It should be waited minimum 2-4 hours between the application coats.
- Marshall Panel Door Paint should be applied in the direction of the wood grains.
- As the precise paint consumption may vary change depending on the surface, it should be determined by test paintwork on the surface to be painted.
- Before use, the paint should be stirred in the pot to make it homogenous.
- High relative humidity and low temperature can be increase drying time.
- It is recommended to use products with the same product number on the same surface in order to avoid color shade differences in retouch works.

### CONSIDERATIONS FOR APPLICATION

- Primer should be stirred in the pot to make it homogenous before use.
- Temperature of ambient and surface in applications should be not below +5 °C and above +35 °C.
- Application surfaces should be dry and clean.
- Application should be performed according to the specified characteristics.
- It should be applied in ventilated environments and the necessary safety precautions.
- The second coat can be applied minimum 5 hours after applying Marshall Enamel Antirust.
- As the precise paint consumption may vary change depending on the surface, it should be determined by test paintwork on the surface to be painted.
- High relative humidity and low temperature can be increase drying time.

### CLEANING THE APPLICATION TOOLS

Application tools should be cleaned with Marshall Synthetic Thinner immediately after use.

### CHARACTERISTICS RELATED TO ENVIRONMENT AND HUMAN HEALTH

The product does not contain lead, heavy metals and chromates. Raw materials used in the product have been selected according to Akzo Nobel Product Stewardship Visions, which are prepared and updated in line with the Directives of European Union, paying regard to environmental and human health. Although not restricted for use in Turkey, a number of raw materials, which have been restricted in European Union due to objections to their use for human and environmental health, are not used in our products.

- It does not contain carbendazim and derivatives.
- It does not contain ethylene-glycol and derivatives.

### STORAGE CONDITIONS

It should be stored at protected places that not exposed to direct sunlight, temperature between -0 °C/+35 °C.

### OTHER WARNINGS

Hazardous dust and/or smoke may release during operations such as sanding and burning on the painted surfaces. Work in well-ventilated spaces. If required, use proper personal protective equipment. When requested, Safety Data Form is made available for detailed information.



Atmosfere verilen organik uçucu madde miktarı (VOC) Avrupa Birliği normlarının altındadır.



#### CLEANING THE APPLICATION TOOLS

Application tools should be cleaned with water and soap immediately after use. Dried product on the surface, may be removed only mechanically.

#### CHARACTERISTICS RELATED TO ENVIRONMENT AND HUMAN HEALTH

- VOC (Volatile Organic Compounds) limits comply with those specified in "DIRECTIVE 2004/42/CE OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL.
- CIT/MIT in the Paint is below 15ppm.
- It does not contain carbendazim and derivatives.
- It does not contain Ethylene-Glycol and derivatives.

For further information, please contact us via our contact address.

#### STORAGE CONDITIONS

It should be stored at protected places that not exposed to direct sunlight, temperature between -0 °C/+35 °C.

#### OTHER WARNINGS

Hazardous dust and/or smoke may release during operations such as sanding and burning on the painted surfaces. Work in well-ventilated spaces. If required, use proper personal protective equipment. When requested, Safety Data Form is made available for detailed information.

## PANEL DOOR PAINT

#### PRODUCT RELEASE

Packaging 0. 5 L, 1L, 2.5 L, 15 L

#### FIELDS OF USE

It used to dilute the synthetic paints.

#### TECHNICAL SPECIFICATIONS OF THE PRODUCT

Density	0.78±0.03 (g/cm <sup>3</sup> )
Solubility	Insoluble in water.
Gloss	41 °C



SOLVENT BASED

#### STORAGE CONDITIONS

Direkt güneş ışığı almayan, korunmalı ortamlarda, orijinal ambalajında ağzı açılmaması koşulu ile depolanabilir.

#### OTHER WARNINGS

When requested, Safety Data Form is made available for detailed information.

# Fit

## FIT INTERIOR & EXTERIOR PAINTS TECHNICAL BULLETIN CATALOGUE



# FIT INTERIOR AND EXTERIOR PAINTS

- FIT SILICONED SILK MATT
- FIT SILICONED
- FIT PLASTIC MATT
- FIT CEILING PAINT
- FIT PIGMENTED PRIMER INTERIOR
- FIT SILICONED FLAT
- FIT SILICONED TEXTURED
- FIT PIGMENTED PRIMER EXTERIOR



The information contained in this Technical Bulletin has been prepared based on laboratory data. Technical support is recommended for information not contained in this bulletin. Manufacturer shall not be liable for any defect that may arise due to lack of information in applications to be made without obtaining support from Technical Support or Technical Bulletin Catalogue. Our firm reserves the right to change this information.

# FIT SILICONED SILK MAT



WATER BASED

## PRODUCT RELEASE

Packaging **3,5 KG - 10 KG - 20 KG**

Colour See Color Chart of the Interior.

## FIELDS OF USE

It is for Interior use. It is recommended to apply on smooth and uniform sub-surfaces for providing of gloss and appearance properties. Please see the Surface Preparation and Application sections for details.

## CHARACTERISTICS

It is a top coat, silk matt, interior wall paint for interior use, free of offensive odor; low water absorption property, silicone, no color change over time; non-fading; high covering power and good adhesion properties, wipeable.

## TECHNICAL SPECIFICATIONS OF THE PRODUCT

Appearance	Silk Matt, smooth, top coat paint	
Chemical Structure	Acrylic, co-polymer, latex	
Drying time between coats	Minimum 2 hours (20 °C, 50%RH) High relative humidity and low temperature can increase drying time.	
Complete drying	Minimum 24 hours (20 °C, 50%RH) High relative humidity and low temperature can increase the drying time.	
Recommended application coat	Minimum 2 coats (may vary depending on the applied surface.)	
Consumption (theoretical)	100-130 g/m <sup>2</sup> (0,065-0,075 L/m <sup>2</sup> ) in one coat	
Covering power (theoretical)	14 m <sup>2</sup> /L (at 28±5 micron dry film thickness)	
<b>EN 13300 Classification Standard</b>	<b>[European Norms]</b>	
Wet Scrub Resistance	Class 2	[TS EN ISO 11998]
Covering Power	Class 2 (7 m <sup>2</sup> /L)	[TS EN ISO 6504-3]
Grain Size	Fine	[TS EN ISO 1524]
Gloss	Semi Matt	[TS EN ISO 2813]

## SURFACE PREPARATION

**For bare surfaces** Any dirt and dusts on the application surface should be removed off the surface by mechanical means. Never paint, if the surfaces not dry, clean and strength that could support the next coats. The subsurface is important for high paint performance. In order to obtain uniform and smooth surface, any irregularities on the thin plasters may be removed by local or complete puttying or plaster-puttying. After the putty gets dry, it should be sanded and dusts should be removed off the surface. Satin Plaster Primer and Isolation Primer (as 1 cup isolation primer is diluted with 7 cups of water) should be applied in (1) coat very thin taking care not to allow it to leave any film on the surface. Before the primer and paint application; plaster, putty and gypsum surfaces must be carefully completely dry.

**For formerly painted surfaces** Former paints, blistered and loosed paint should be scraped off the surface. (Surfaces to apply the paint and primer should be self-supporting) To remove level differences on the surface, plaster or puttying should be performed and the surface, especially the puttied parts of it, should be thoroughly sanded to eliminate any level difference. Sand dusts should be removed off the surface. Application surface should be dry. On surfaces applied the local puttying and plaster, depending on the surface condition, you may apply Satin Plaster Primer, Isolation Primer (1 cup of isolation primer is diluted with 7 cups of water) as 1 coat very thin.

It is recommended to apply 1 coat of Transition Primer or Fit Hiding Primer before Fit Silicone Silk Matt paint for surfaces painted formerly with water or solvent-based paint which is dirty or you want to change its color for decorative purpose. Before applying the primer, all formerly painted surface flatted with proper sandpaper. Fit Silicone Silk Matt should apply minimum 2 coats depending on the surface condition 24 hours after the priming coat has been applied.

## APPLICATION

**Recommended application tools:** Roller, Brush (Roller with short bristle ensures you get a smooth surface. When you use roller with long bristle, it causes slight pattern on the surface.)

**Dilution medium:** It should be diluted with water.

**Dilution Ratio:** Maximum 10% by volume (In case of over-dilution, may encounter covering problems.)

**Recommended Primers:** Satin Plaster Primer, Isolation Primer (as 1 cup of Isolation Primer is diluted with 7 cups of water) Transition Primer, Fit Hiding Interior Primer.

**Application:** It should be applied on clean, dry and smooth surfaces with subsurface treatments performed (putty and primer applied). It should be made homogenous by diluting and stirring according to the dilution rate. Fit Silicone Silk Matt is applied minimum in 2 coats by roller. Assure during application that roll movements should be in one direction. You should allow 2 – 4 hours between the application coats depending on its being summer and winter. You should take care no overlapping at cutoffs. It is recommended to be performed sweeping process passing over the painted surface without paint with the same roll after 2-3 minutes from roller applications depending to ambient temperature for a homogenous and more covering surface.



#### CONSIDERATIONS FOR APPLICATION

- Before/after diluting, the paint should be stirred in the pot to make it homogenous before use.
- Ambient and surface temperature for the applications should not be below +5 °C and above +35 °C.
- If the application shall be performed on putty and satin plaster, you should definitely apply 1 coat of Satin Plaster Primer.
- Primers containing fillers should not be used directly on putty and plaster.
- Fit Silicone Silk Matt paint should be applied minimum 24 hours after the primer applying.
- Primer should be applied in 1 coat thin so as not to leave any film on the surface.
- Application should be performed according to the specified application instructions.
- Fit Silicone Silk Mat should not be diluted with water more than 10% by volume.
- You should wait 2 – 4 hours between the application coats depending on on the ambient and surface temperature.
- Low ambient and surface temperatures can increase the drying time.
- High hiding performance is depending to be performed to the sweeping with roller and minimum 2 coats the paint application, the primer application, waiting time between the coats, accurate dilute ratios.
- As the precise paint consumption may vary change depending on on the surface, it should be determined by test paintwork on surface to be painted.
- It is recommended to use product with the same product number on the same surface in order to avoid color shade differences in retouch works.

#### CLEANING THE APPLICATION TOOLS

Application tools should be cleaned with water immediately after use.

#### CHARACTERISTICS RELATED TO ENVIRONMENT AND HUMAN HEALTH

- VOC (Volatile Organic Compounds) limits comply with those specified in "DIRECTIVE 2004/42/CE OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL.
- CIT/MIT in the Paint Protective is below 15ppm.
- It does not contain Carbendazim and derivatives.
- It does not contain Ethylene-Glycol and derivatives.

#### DEPOLAMA KOŞULLARI

It should be stored in a place dry, well-ventilated, kept away from heat sources and direct sunlight in the temperature range of +5 °C and +35 °C.

#### OTHER WARNINGS

Hazardous dust and/or smoke may release during operations such as sanding and burning on the painted surfaces. Work in well-ventilated spaces. If required, use proper personal protective equipment. When requested, Safety Data Form is made available for detailed information.



According to the Construction Products Regulation, exist a national marking it indicates our product is "safe". The product is within the scope of the Conformity Confirmation System "1" and produced in accordance with national technical specifications.



IT CONFORMS TO TS 5808 and TS 5808/T1.

TS5808/14.06.2012 and  
TS5808/T1/18.06.2014

Public Works Pos. No. 25.043/1A-25.048/2  
Rate Pos. No. 01/04.551



## FIT SILICONED



WATER BASED

#### PRODUCT RELEASE

Packaging **3,5 KG - 10 KG - 20 KG**

Colour See Color Chart of the Interior.

#### FIELDS OF USE

It is for Interior use. It is recommended to apply on smooth and uniform sub-surfaces for providing of gloss and appearance properties. Please see the Surface Preparation and Application sections for details.

#### CHARACTERISTICS

It is an economic top coat, matt, interior wall paint obtained modified by silicone of the acrylic binder which free of offensive odor, non-fading, high covering power and good adhesion properties.

#### TECHNICAL SPECIFICATIONS OF THE PRODUCT

Appearance	Matt, smooth, top-coat paint
Chemical Structure	Silicon-modified acrylic copolymer, latex
Drying time between coats	Minimum 2 hours (20 °C, 50%RH) High relative humidity and low temperature can increase drying time.
Complete drying	Minimum 24 hours (20 °C, 50%RH) High relative humidity and low temperature can increase the drying time.
Recommended application coat	Minimum 2 coats (may vary depending on the applied surface.)
Consumption (theoretical)	100-130 g/m <sup>2</sup> (0,065-0,075 L/m <sup>2</sup> ) in one coat
Covering power (theoretical)	14 m <sup>2</sup> /L (at 28±5 micron dry film thickness)
<b>EN 13300 Classification Standard</b>	<b>[European Norms]</b>
Wet Scrub Resistance	Class 3 [TS EN ISO 11998]
Covering Power	Class 2 (for consumption of 7,0 m <sup>2</sup> /L) [TS EN ISO 6504-3]
Grain Size	Fine [TS EN ISO 1524]
Gloss	Matt [TS EN ISO 2813]

#### SURFACE PREPARATION

**For bare surfaces** Any dirt and dusts on the application surface should be removed off the surface by mechanical means. Never paint, the surfaces not dry, clean and strength that could support the next coats. Subsurface is important for high paint performance. In order to obtain smooth and uniform surface, any irregularities on the thin plasters may be removed by local or complete puttying or plaster. After the putty and plaster gets dry, it should be sanded and dusts should be removed off the surface. Satin Plaster Primer or Isolation Primer (1 cup of isolation primer is diluted with 7 cups of water) should be applied in one coat very thin, taking care not to allow it to leave film on the surface. Before the primer and paint application; plaster, putty and gypsum surfaces must be careful that completely dry.

**For formerly painted surfaces** Former paints, blistered and loosed paint should be scraped off the surface. (Surfaces to apply the paint and primer should be able self-supporting) To remove level differences on the surface, plaster or puttying should be performed and the surface, especially the puttied parts of it, should be thoroughly sanded to eliminate any level difference. Sand dusts should be removed off the surface. Application surface should be dry. On surfaces applied the local puttying and plaster, depending on the surface condition, you may apply Satin Plaster Primer, Isolation Primer (1 cup of isolation primer is diluted with 7 cups of water) in 1 coat very thin.

It is recommended to apply 1 coat of Transition Primer and Fit Hldig Primer before Fit Silicone paint for surfaces painted formerly with water or solvent-based paint which is dirty or you want to change its color for decorative purpose. Before applying the primer, all formerly painted surface flatted with proper sandpaper. Fit Silicone should apply minimum 2 coats depending on the surface condition 24 hours after the priming coat has been applied.

#### APPLICATION

**Recommended application tools:** Roller, Brush

**Note:** Roller with shorter bristles ensures you get a smooth surface. When you use roller with long bristle, it causes a slight pattern on the surface.

**Dilution medium:** It should be diluted with water.

**Dilution Ratio:** Maximum 10% by volume (In case of over-dilution, may encounter covering problems.)

**Recommended Primers:** Satin Plaster Primer, Isolation Primer (1 cup of isolation primer is diluted with 7 cups of water) Transition Primer. Fit Hiding Interior Primer

**Application:** It should be applied on clean, dry and smooth surfaces with subsurface treatments performed (putty and primer applied). It should be made homogenous by diluting and stirring according to the dilution ratio. Fit Silicone is applied minimum of 2 coats with a roller. Assure during application that roll movements should be in one direction. You should allow 2 – 4 hours between the application coats depending on its being summer and winter. You should take care no overlapping at cutoffs.

It is recommended to be performed sweeping process passing over the painted surface without paint with the same roller after 2-3 minutes from roller applications depending to ambient temperature for a homogenous and more covering surface.



### CONSIDERATIONS FOR APPLICATION

- Before/after diluting, the paint should be stirred in the pot to make it homogenous before use.
- Ambient and surface temperature for the applications should not be below +5 °C and above +35 °C.
- If the application shall be performed on putty and satin plaster, you should definitely apply Satin Plaster Primer in 1 coat.
- Primers containing fillers should not be used directly on putty and plaster.
- Fit Silicone paint should be applied minimum 24 hours after the primer application.
- Primer should be applied in 1 coat thin so as not to leave any film on the surface.
- Application should be performed according to the specified application characteristics.
- Fit Silicone should not be diluted with water more than 10% by volume.
- You should wait 2 – 4 hours between the application coats depending on the ambient and surface temperature.
- Low ambient and surface temperatures should be increased drying time.
- High hiding performance is depending to be performed to the sweeping with roller and minimum 2 coats the paint application, the primer application, waiting time between the coats, accurate dilute ratios.
- As the precise paint consumption may vary change depending on the surface, it should be determined by test paintwork on the surface to be painted.
- It is recommended to use products with the same product number on the same surface in order to avoid color shade differences in retouch works.
- Colors made from BM and BC bases should be diluted maximum 5% by volume.

### CLEANING THE APPLICATION TOOLS

Application tools should be cleaned with water immediately after use.

### CHARACTERISTICS RELATED TO ENVIRONMENT AND HUMAN HEALTH

- VOC (Volatile Organic Compounds) limits comply with those specified in "DIRECTIVE 2004/42/CE OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL.
- CIT/MIT in the Paint Protective is below 15ppm.
- It does not contain Carbendazim and derivatives.
- It does not contain Ethylene-Glycol and derivatives.

### DEPOLAMA KOŞULLARI

It should be stored in a place dry, well-ventilated, kept away from heat sources and direct sunlight in the temperature range of +5 °C and +35 °C.

### OTHER WARNINGS

Hazardous dust and/or smoke may release during operations such as sanding and burning on the painted surfaces. Work in well-ventilated spaces. If required, use proper personal protective equipment. When requested, Safety Data Form is made available for detailed information.



According to the Construction Products Regulation, exist a national marking it indicates our product is "safe". The product is within the scope of the Conformity Confirmation System "1" and produced in accordance with national technical specifications.



IT CONFORMS TO TS 5808 and TS 5808/T1.

TS5808/14.06.2012 and  
TS5808/T1/18.06.2014

Public Works Pos. No. Y.25.003/05-Y.25.003/14-  
Y.25.003/15-Y.25.003/16  
Rate Pos. No. 04.551/01



## FIT PLASTIC MATT



WATER BASED

### PRODUCT RELEASE

Packaging **3,5 KG - 10 KG - 20 KG**

Colour See Color Chart of the Interior.

### FIELDS OF USE

It is for Interior use. It is recommended to apply on smooth and uniform sub-surfaces for providing of gloss and appearance properties. Please see the Surface Preparation and Application sections for details.

### CHARACTERISTICS

It is an economic top coat, matt, interior wall paint obtained modified by silicone of the acrylic binder which free from offensive odor, non-fading, high covering power and good adhesion properties.

### TECHNICAL SPECIFICATIONS OF THE PRODUCT

Appearance	Matt, smooth, top-coat paint	
Chemical Structure	Acrylic copolymer, latex	
Drying time between coats	Minimum 2 hours (20 °C, 50%RH) High relative humidity and low temperature can increase drying time.	
Complete drying	Minimum 24 hours (20 °C, 50%RH) High relative humidity and low temperature can increase the drying time.	
Recommended application coat	Minimum 2 coats (may vary depending on the applied surface.)	
Consumption (theoretical)	100-130 g/m <sup>2</sup> (0,065-0,075 L/m <sup>2</sup> ) in one coat	
Covering power (theoretical)	14 m <sup>2</sup> /L (at 28±5 micron dry film thickness)	
<b>EN 13300 Classification Standard</b>	<b>[European Norms]</b>	
Wet Scrub Resistance	Class 3	[TS EN ISO 11998]
Covering Power	Class 2 (for consumption of 7,0 m <sup>2</sup> /L)	[TS EN ISO 6504-3]
Grain Size	Fine	[TS EN ISO 1524]
Gloss	Matt	[TS EN ISO 2813]

### SURFACE PREPARATION

**For bare surfaces** Any dirt and dusts on the application surface should be removed off the surface by mechanical means. Never paint, the surfaces not dry, clean and strength that could support the next coats. Subsurface is important for high paint performance. In order to obtain smooth and uniform surface, any irregularities on the thin plasters may be removed by local or complete puttying or plaster-puttying. After the putty and plaster gets dry, it should be sanded and dusts should be removed off the surface. Satin Plaster Primer or Isolation Primer (1 cup of isolation primer is diluted with 7 cups of water) should be applied in one coat very thin, taking care not to allow it to leave film on the surface. Before the primer and paint application; plaster, putty and gypsum surfaces must be careful that completely dry.

**For formerly painted surfaces** Former paints, blistered and loosed paint should be scraped off the surface. (Surfaces to apply the paint and primer should be self-supporting) To remove level differences on the surface, plaster or puttying should be performed and the surface, especially the puttied parts of it, should be thoroughly sanded to eliminate any level difference. Sand dusts should be removed off the surface. Application surface should be dry. On surfaces applied the local puttying and plaster, depending on the surface condition, you may apply Satin Plaster Primer, Isolation Primer (1 cup of isolation primer is diluted with 7 cups of water) in 1 coat very thin.

It is recommended to apply 1 coat of Transition Primer or Fit Hiding Primer before Fit Plastic Matt paint for surfaces painted formerly with water or solvent-based paint which is dirty or you want to change its color for decorative purpose. Before applying the primer, all formerly painted surface flatted with proper sandpaper. Fit Plastic Matt should apply minimum 2 coats depending on the surface condition 24 hours after the priming coat has been applied.

### APPLICATION

**Recommended application tools:** Roller, Brush

**Dilution medium:** It should be diluted with water.

**Dilution Ratio:** Maximum 10% by volume (In case of over-dilution, may encounter covering problems.)

**Recommended Primers:** Satin Plaster Primer, Isolation Primer (1 cup of isolation primer is diluted with 7 cups of water) Transition Primer, Fit Hiding Interior Primer.

**Application:** It should be applied on clean, dry and smooth surfaces with subsurface treatments performed (putty and primer applied). It should be made homogenous by diluting and stirring according to the dilution ratio. Fit Plastic Matt is applied minimum of 2 coats with a roller. Assure during application that roller movements should be in one direction. You should allow 2 – 4 hours between the application coats depending on its being summer and winter. You should take care no overlapping at cutoffs. It is recommended to be performed sweeping process passing over the painted surface without paint with the same roller after 2-3 minutes depending to environment temperature of roller applications for a homogenous and more covering surface.



#### CONSIDERATIONS FOR APPLICATION

- Before/after diluting, the paint should be stirred in the pot to make it homogenous before use.
- Ambient and surface temperature for the applications should not be below +5 °C and above +35 °C.
- If the application shall be performed on putty and satin plaster, you should definitely apply Satin Plaster Primer in 1 coat.
- Primers containing fillers should not be used directly on putty and plaster.
- Fit Plastic Matt paint should be applied minimum 24 hours after the primer application.
- Primer should be applied in 1 coat thin so as not to leave any film on the surface.
- Application should be performed according to the specified application instructions.
- Fit Plastic Matt should not be diluted with water more than 10% by volume.
- You should wait 2 – 4 hours between the application coats depending on the ambient and surface temperature.
- Low ambient and surface temperatures should be increased drying time.
- High hiding performance is depending to be performed to the sweeping with roller and minimum 2 coats the paint application, the primer application, waiting time between the coats, accurate dilute ratios.
- As the precise paint consumption may vary change depending on the surface, it should be determined by test paintwork on the surface to be painted.
- It is recommended to use products with the same product number on the same surface in order to avoid color shade differences in retouch works.
- Colors made from BM and BC bases should be diluted maximum 5% by volume.

#### CLEANING THE APPLICATION TOOLS

Application tools should be cleaned with water immediately after use.

#### CHARACTERISTICS RELATED TO ENVIRONMENT AND HUMAN HEALTH

- VOC (Volatile Organic Compounds) limits comply with those specified in "DIRECTIVE 2004/42/CE OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL.
- CIT/MIT in the Paint Protective is below 15ppm.
- It does not contain Carbendazim and derivatives.
- It does not contain Ethylene-Glycol and derivatives.

#### DEPOLAMA KOŞULLARI

It should be stored in a place dry, well-ventilated, kept away from heat sources and direct sunlight in the temperature range of +5 °C and +35 °C.

#### OTHER WARNINGS

Hazardous dust and/or smoke may release during operations such as sanding and burning on the painted surfaces. Work in well-ventilated spaces. If required, use proper personal protective equipment. When requested, Safety Data Form is made available for detailed information.



According to the Construction Products Regulation, exist a national marking it indicates our product is "safe". The product is within the scope of the Conformity Confirmation System "1" and produced in accordance with national technical specifications.



IT CONFORMS TO TS 5808 and TS 5808/T1.

Public Works Pos. No. Y.25.043/1A-25-048/2  
Rate Pos. No. 01/04.551

TS5808/14.06.2012 and  
TS5808/T1/18.06.2014



## FIT CEILING PAINT



WATER BASED

#### PRODUCT RELEASE

Packaging **3,5 KG - 17,5 KG**

Colour **White**

#### FIELDS OF USE

It is used to on the ceiling part of the structural members of conventional plaster, gross concrete, chipboard, gas concrete, brick, plasterboard, etc.

#### CHARACTERISTICS

It is specially developed for painting the ceiling, easy to apply, having good coverage and excellent whiteness, breathable.

#### TECHNICAL SPECIFICATIONS OF THE PRODUCT

Appearance	Full Matt, smooth appearance ceiling paint	
Chemical Structure	Acrylic copolymer, latex	
Drying time between coats	Minimum 2 hours (20 °C, 50%RH) High relative humidity and low temperature can increase drying time.	
Complete drying	Minimum 24 hours (20 °C, 50%RH) High relative humidity and low temperature can increase the drying time.	
Recommended application coat	Minimum 2 coats (may vary depending on the applied surface.)	
Consumption (theoretical)	0,065-0,075 L/m <sup>2</sup> in one coat	
Covering power (theoretical)	14 m <sup>2</sup> /L (at 28±5 micron dry film thickness)	
<b>EN 13300 Classification Standard</b>	<b>[European Norms]</b>	
Wet Scrub Resistance	Class 5	[TS EN ISO 11998]
Covering Power	Class 3 (at consumption 7,0 m <sup>2</sup> /L)	[TS EN ISO 6504-3]
Grain Size	Fine	[TS EN ISO 1524]
Gloss	Matt	[TS EN ISO 2813]

#### SURFACE PREPARATION

**For bare surfaces** Any dirt and dusts on the application surface should be removed off the surface by mechanical means. (Surfaces to apply the paint and primer should be able self-supporting) Subsurface is important for high paint performance. In order to have a uniform and smooth surface, any irregularities on the fine plasters may be removed by local or complete puttying or plaster. After the putty gets dry, it should be sanded and dusts should be removed off the surface. For enhance the paint adherence and the performance, Satin Plaster Primer or Isolation Primer (1/7) should be applied in (1) coat very thin, taking care not to allow it to leave any film on the surface.

**For formerly painted surfaces** Former paints, swollen and loose paint should be scraped off the surface. (Surfaces to apply the paint and primer should be self-supporting.) To remove any level difference on the surface, puttying or plaster should be performed and the surface, especially the putted parts of it, should be thoroughly sanded to eliminate any level difference. Sand dusts should be removed off the surface. Application surface should be dry. Surfaces applied the local putty and plaster, for enhance the paint adherence and the performance, Satin Plaster Primer or Isolation Primer (1 cup of primer is diluted with 7 cups of water) should be applied in (1) coat very thin.

For surfaces painted formerly with water or solvent-based paint which is dirty or you want to change its color for decorative purpose, you should apply of the Fit Ceiling Paint in minimum 2 coat depending on the surface condition.

#### APPLICATION

**Recommended application tools:** Roller and brush.

**Note:** Roller with shorter bristles ensures you get a smooth surface. When you use roller with long bristle, it causes a slight pattern on the surface.

**Dilution medium:** It should be diluted with water.

**Dilution Ratio:** Maximum 10% by volume (In case of over-dilution, may encounter covering problems.)

**Recommended Primers:** Satin Plaster Primer, Isolation Primer (1 cup of isolation primer is diluted with 7 cups of water).

**Application:** It should be made homogenous by diluting and stirring according to the dilution rate. Fit Ceiling Paint is applied minimum of 2 coats with a roller. Assure during application that roll movements should be in one direction and cross coat application are performed. You should allow 2 – 4 hours between the application coats depending on its being summer and winter. You should take care no overlapping at cut-offs.



## FIT PIGMENTED PRIMER INTERIOR



WATER BASED

### CONSIDERATIONS FOR APPLICATION

- Before/after diluting, the paint should be stirred in the pot to make it homogenous before use.
- Ambient and surface temperature for the applications should not be below +5 °C and above +35 °C.
- If the application shall be performed on putty and satin plaster, you should definitely apply Satin Plaster Primer in 1 coat.
- Ceiling paint should be applied minimum 24 hours after the primer application.
- Primer should be applied in 1 coat thin so as not to leave any film on the surface.
- Application should be performed according to the specified application characteristics.
- Fit Ceiling Paint should not be diluted with water more than 10% by volume.
- You should wait 2 – 4 hours between the application coats depending on the ambient and surface temperature.
- Low ambient and surface temperatures should be increased drying time.
- High hidig performance is depending to be performed to the sweeping with roller and minimum 2 coats the paint application, the primer application, waiting time between the coats, accurate dilute ratios.
- It is recommended to use products with the same product number on the same surface in order to avoid color shade differences in retouch works.
- As the precise paint consumption may vary change depending on the surface, it should be determined by test paintwork on the surface to be painted.

### CLEANING THE APPLICIATION TOOLS

Application tools should be cleaned with water immediately after use.

### CHARACTERISTICS RELATED TO ENVIRONMENT AND HUMAN HEALTH

- VOC (Volatile Organic Compounds) limits comply with those specified in "DIRECTIVE 2004/42/CE OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL.
- CIT/MIT in the Paint Protective is below 15ppm.
- It does not contain Carbendazim and derivatives.
- It does not contain Ethylene-Glycol and derivatives.

### DEPOLAMA KOŞULLARI

It should be stored in a place dry, well-ventilated, kept away from heat sources and direct sunlight in the temperature range of +5 °C and +35 °C.

### OTHER WARNINGS

Hazardous dust and/or smoke may release during operations such as sanding and burning on the painted surfaces. Work in well-ventilated spaces. If required, use proper personal protective equipment. When requested, Safety Data Form is made available for detailed information.



According to the Construction Products Regulation, exist a national marking it indicates our product is "safe". The product is within the scope of the Conformity Confirmation System "1" and produced in accordance with national technical specifications.



IT CONFORMS TO TS 5808 and TS 5808/T1.

TS5808/14.06.2012 and  
TS5808/T1/18.06.2014

### PRODUCT RELEASE

Packaging **3,5 KG - 20 KG**

Colour **Off-White**

### FIELDS OF USE

It is for Interior use. It is recommended to apply on smooth and uniform sub-surfaces for providing of appearance properties.

### CHARACTERISTICS

It is a covering primer, free of offensive odour which can be diluted with water. It is used on interior, under water or solvent based topcoat paints, especially for applications of water-based paint on solvent-based paint. It reduces absorbency on the application surfaces, improving covering power of the topcoat. It ensures preparation of smooth and durable sub-surface for the topcoat, reducing consumption of the topcoat.

### TECHNICAL SPECIFICATIONS OF THE PRODUCT

Appearance	Hiding primer with semi-matt appearance.
Chemical Structure	Acrylic copolymer, latex
Recommended application coat	1 coat
Consumption (practice)	0.06-0.07 L/m <sup>2</sup> in one coat
Covering Capacity (theoretical)	15 m <sup>2</sup> /L (at 28±5 micron dry film thickness) in one coat.
Top coat paint application	Recommended to wait for 24 hours for topcoat paint on it.

### SURFACE PREPARATION

**For bare surfaces** Surfaces on which FIT HIDING PRIMER to be applied should be removed any grease, dust and similar contaminants by detergent water or wiping (Surfaces to apply the paint and primer should be self-supporting), FIT HIDING PRIMER is ready to use on dry, dust-free, clean surface. You should be preferred Transparent Primers instead of FIT HIDING PRIMER for surfaces on which putty and plaster applied.

**For formerly painted surfaces** Former paints, loose and peeling paint on the surface, should be scraped off the surface. (Surfaces to apply the paint and primer should be able self-supporting). To remove any level difference on the surface, local puttying should be performed by putty and the surface, especially the puttied parts of it, should be thoroughly sanded to eliminate any level difference. Sand dusts should be removed off the surface. Application surface should be dry. FIT HIDING PRIMER is applied of 1 coat on the surfaces painted formerly with water or solvent based paints previously, got dirty or colour of which shall be changed for decorative purpose, resulting in reduction of the topcoat paint consumption.

### APPLICATION

**Recommended application tools:** Roller and brush.

**Note:** Roller with shorter bristles ensures you get a smooth surface. When you use roller with long bristle, it causes a slight pattern on the surface.

**Dilution medium:** It should be diluted with water.

**Dilution Ratio:** Maximum 10% by volume (In case of over-dilution, may encounter covering problems.)

**Recommended Primers:** Water based top-coat interior paints.

**Application:** It should be applied on clean, dry and smooth surface, with subsurface treatments completed (putty and primer applied). It should be made homogenous by diluting and stirring according to the dilution ratio. FIT HIDING INTERIOR PRIMER is applied in 1 coat by roller. Assure during application that roller movements should be in one direction.



Atmosfere verilen organik uçucu madde miktarı (VOC) Avrupa Birliği normlarına atlındadır.

#### CONSIDERATIONS FOR APPLICATION

- Before use, the paint should be stirred in the pot to make it homogenous.
- Ambient and surface temperature for the paint applications should not be below +5 °C and above +35 °C.
- Application should be performed according to the specified application directions.
- FIT HIDING PRIMER should not be diluted with water more than 10% by volume.
- Recommended to wait for 24 hours for topcoat paint on it.
- As the final paint consumption may vary change depending on the surface, it should be determined by test paintwork on the surface to be painted.
- If the application shall be performed on putty and satin plaster, you should definitely apply 1 coat of Satin Plaster Primer very thin.
- Primer should be applied in 1 coat.

#### CLEANING THE APPLICATION TOOLS

There is no Turkish Standard (TS) published yet for water-based primer applications. Application tools should be cleaned with water immediately after use

#### CHARACTERISTICS RELATED TO ENVIRONMENT AND HUMAN HEALTH

- VOC (Volatile Organic Compounds) limits comply with those specified in "DIRECTIVE 2004/42/CE OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL.
- CIT/MIT in the Paint Protective is below 15ppm.
- It does not contain Carbendazim and derivatives.
- It does not contain Ethylene-Glycol and derivatives.

#### DEPOLAMA KOŞULLARI

It should be stored in a place dry, well-ventilated, kept away from heat sources and direct sunlight in the temperature range of +5 °C and +35 °C.

#### OTHER WARNINGS

Hazardous dust and/or smoke may occur during operations such as sanding and burning on the painted surface. Work in well-ventilated spaces. If required, use proper personal protective equipment. Safety Data Sheet is available for any further information, if requested. There is no Turkish Standard (TS) published yet for water-based primer applications.

## FIT SILICONED FLAT



WATER BASED

#### PRODUCT RELEASE

Packaging 2,5L -7.5L-15L

Colour White, BW, BM, BC (Tinting System)

#### FIELDS OF USE

It is safely used as decorative on the conventional plaster, concrete, gross concrete, gas concrete, brick, etc., as well as on surfaces formerly painted. Please see Surface preparation and Application sections for details.

#### CHARACTERISTICS

It has silicon modified latex binding structure, having high breathability (water vapor permeability) and low water permeability (water absorption) property. It contains quality titanium compounds. It is a long-lasting exterior wall paint resistant to the weathering, sun lights, friction and corrosion, protecting the applied surfaces for many years and ensures aesthetic appearance thanks to its dirt-repellant character, preventing color change over time, easy to apply and excellent covering power.

#### TECHNICAL SPECIFICATIONS OF THE PRODUCT

Appearance	Matt, smoot appearance, top-coat paint	
Chemical Structure	Siliconed modified acrylic copolymer latex	
Drying time between coats	Minimum 4-8 hours (20 °C, 50% RH) - High relative humidity and low temperature can be increase drying time.	
Complete drying	Minimum 24 hours (20 °C, 50%RH) High relative humidity and low temperature can increase the drying time.	
Recommended application coat	Minimum 2 coats (vary depending on the subsurface condition.)	
Consumption (theoretical)	0.060-0,070 L/m <sup>2</sup> in one coat- Vary depending of the surface condition.	
Covering power (theoretical)	15 m <sup>2</sup> /L (at 28±5 micron dry film thickness) in one coat.	
<b>TS EN 1062-1 Classification Standard</b>	<b>[European Norms]</b>	
Dry film thickness	Class E1	TS EN 1062-1
Grain size	Class S1	TS EN ISO 1524/TS EN ISO 787-7
Water vapour transmission rate	Class V1	TS EN ISO 7783
Water transmission rate	Class W1	TS EN 1062-3
Crack bridging capacity	Class A0	TS EN 1062-7
CO <sub>2</sub> permeability	Class C0	TS EN 1062-6
Gloss	Class G3	TS EN ISO 2813

#### SURFACE PREPARATION

**For bare surfaces** Minimum 21 days (recommended for 20oC) should be waited for setting the plaster on the newly plastered. Any dirt, dust and mould release agents on the application surface should be neutralized and removed off the surface by chemical wash or wiping. If detergent water or chemical has been used for cleaning of the surface, you should rinse the surface once more by clear water. Never paint, the surfaces not dry. Any irregularity on the surface should be leveled by putty. No application should be made before the putty gets dry and sanded; after removal of the sanding dust, any primer described below be applied in 1 coat depending on the characteristics of the surface. It should be used Acricor Silicone Primer, Fit Silicone Hiding Primer, Acricor Anti Alkali+Hiding Primer, Acricor Silicone+Hiding Primer in places where the normal climatic conditions. If thermal insulation system on sub-surface is applied, recommended to use Acricor Anti Alkali + Hiding Primer.

**For formerly painted surfaces** Former paint, loose and peeling paint should be scraped off the surface. To remove any level difference on the surface, local puttying should be performed by putty and the surface, especially the puttied parts of it, should be thoroughly sanded to eliminate any level difference. Sanding dusts should be removed off the surface. In order that local puttying operations do not interfere with the topcoat as stain, the locations filled with putty should be painted for repair in a color close to the former paint. The application surface should be dry. Depending on the surface condition, one of Acricor Silicone Primer, Fit Silicone Hiding Primer, Acricor Silicone+Hiding Primer, Acricor Anti Alkali+Hiding Primer (See, TDS -by diluting at required ratio) should be applied in 1 coat. If thermal insulation system on sub-surface is applied, recommended to use Acricor Anti Alkali + Hiding Primer.

#### APPLICATION

**Recommended application tools:** Exterior Roller, Brush.

**Dilution medium:** It should be diluted with clean water.

**Dilution Ratio:** Maximum 10%. May encounter covering problems in case of over-dilution.

**Recommended Primers:** One of Acricor Anti Alkali+Hiding Primer, Acricor Silicone+Hiding Primer, Acricor Silicone Primer, Fit Silicone Hiding Primer (See, TDS -by diluting at required ratio) should be definitely applied in 1 thin coat. If thermal insulation system on sub-surface is applied, recommended to use Acricor Anti Alkali + Hiding Primer.

**Application:** Proper primer is selected and applied in 1 coat for the surface with sub-surface treatment completed, and then, 12 hours after depending on the type of primer, FIT SILICONE FLAT should be as min. 2 coats applied. Roller should be moved in one direction. Otherwise, surface distortion and hue differences may occur. You should take care during application that there is no overlapping between the coats. You should wait for minimum 4-8 hours between the application coats.



### CONSIDERATIONS FOR APPLICATION

- Low ambient and surface temperatures should be increased drying time.
- High hiding performance is depending to be performed to the sweeping with roller and minimum two coats the paint application, the primer application, waiting time between the coats, accurate dilute ratios.
- As the precise paint consumption may vary change depending on the surface, it should be determined by test paintwork on the surface to be painted.
- Ensure the ambient and the surface temperature should be between +5 °C and +35 °C from start of the application and until the product is fully dry. And, in these periods, the surface should not be exposed to rain, dew and frost. Otherwise cracking, blistering, early drying, undulating surface etc. problems may appear.
- It is recommended to use products with the same product number on the same surface in order to avoid color shade differences.
- Primers should be applied in 1 coat on the surface.
- Before use, the paint should be stirred in the pot to make it homogenous.
- Application surface should be dry and clean.
- FIT SILICONE FLAT should not be diluted with water more than 10%.
- Application should be performed according to the specified application directions.
- You should wait minimum 4 – 8 hours between application coats.

### CLEANING THE APPLICATION TOOLS

Application tools should be cleaned with water immediately after use.

### CHARACTERISTICS RELATED TO ENVIRONMENT AND HUMAN HEALTH

- VOC (Volatile Organic Compounds) limits comply with those specified in "DIRECTIVE 2004/42/CE OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL.
- CIT/MIT in the Paint Protective is below 15ppm.
- It does not contain Carbendazim and derivatives.
- It does not contain Ethylene-Glycol and derivatives.

### STORAGE CONDITIONS

It should be stored in a place dry, well-ventilated, kept away from heat sources and direct sunlight in the temperature range of +5 °C and +35 °C.

### OTHER WARNINGS

Hazardous dust and/or smoke may occur during operations such as sanding and burning on the painted surface. Work in well-ventilated spaces. If required, use proper personal protective equipment. When requested, detailed Safety Data Sheet is made available for detailed information.



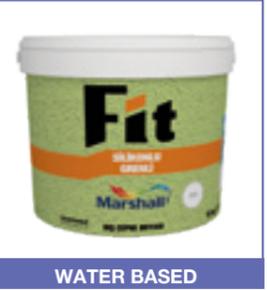
It is available a national symbol that indicates our product is in safe with accordance with Construction Product Directive. It is manufactured according to national technical specification within the scope of Conformity Confirmation System 4.



IT CONFORMS TO TS 7847/14.06.2012

Rate Pos. No. 04.553/04

## FIT SILICONED TEXTURED



WATER BASED

### PRODUCT RELEASE

Packaging **12,4L-18 KG**

Colour **White, BW, BM (Tinting System)**

### FIELDS OF USE

It is safely used as decorative and protector on the conventional plaster, concrete, gross concrete, chipboard, gas concrete, brick, etc.; as well as on surfaces formerly painted. Please see the Surface Preparation and Application sections for details.

### CHARACTERISTICS

It is exterior coating product, showing high resistance to humidity and water as the acrylic binder is modified with the silicone. It is durable and having quick-dried property on the application surfaces. It creates a thick and covering film. Thus, it does not show surface defects on the fine plasters and gross concretes. Generally, no putty application is required unless the surface very unevenness; easy to apply. As it has grain pattern, it imparts a decorative appearance to the application surfaces. It contains quality titanium compounds. Its water vapour permeability is high and water absorption is very low; it is long lasting exterior coating product, resistant to the weathers, solar radiations, friction and corrosion, for long years the surfaces to which it is applied.

### TECHNICAL SPECIFICATIONS OF THE PRODUCT

Appearance	Top-coat paint with textured	
Chemical Structure	Siliconed modified acrylic co-polymer, latex	
Drying time between coats	Minimum 4-8 hours (20 °C, 50% RH) - High relative humidity and low temperature can be increase drying time.	
Complete drying	Minimum 24 hours (20 °C, 50%RH) High relative humidity and low temperature can increase the drying time.	
Recommended application coat	Minimum 1 or 2 coats (vary depending on the subsurface condition.)	
Consumption (theoretical)	0.8-1,2 kg/m <sup>2</sup> (0,55 -0,8 L/m <sup>2</sup> ) - Vary depending of the surface condition.	
Covering power (theoretical)	15 m <sup>2</sup> /L (at 350±50 micron dry film thickness) in one coat.	
<b>TS EN 1062-1 Classification Standard</b>	<b>[European Norms]</b>	
Dry film thickness	Class E4	TS EN 1062-1
Grain size	Class S3	TS EN ISO 1524/TS EN ISO 787-7
Water vapour transmission rate	Class V2	TS EN ISO 7783
Water transmission rate	Class W3	TS EN 1062-3
Crack bridging capacity	Class A0	TS EN ISO 1062-7
CO <sub>2</sub> permeability	Class C0	TS EN 1062-6
Gloss	Gloss grade cannot measure in the grainy paints.	

### SURFACE PREPARATION

**For bare surfaces** Minimum 21 days (recommended for 20 °C) should be waited for setting the plaster the newly plastered. Any dirt, dust and mould release agents on the application surface should be neutralized and removed off the surface by chemical wash or wiping. If detergent water or chemical has been used for cleaning of the surface, you should rinse the surface once more by clear water. Never paint, the surfaces not dry. Any irregularity on the surface should be leveled by putty. No application should be made before the putty gets dry and sanded; after removal of the sanding dust, depending on the characteristics of the surface, Acricor Silicone Primer, Fit Silicone Hiding Primer, Acricor Silicone+Hiding Primer, Acricor Anti Alkali+Hiding Primer (be diluted at required rate) be applied in 1 coat. If thermal insulation system on sub-surface is applied, recommended to use Acricor Anti Alkali + Hiding Primer.

**For formerly painted surfaces** Former paint, loose and peeling paint should be scraped off the surface. To remove any level difference on the surface, local puttying should be performed by putty. Surface, especially the puttied parts of it, should be thoroughly sanded to eliminate any level difference. Sanding dusts should be removed off the surface. In order that local puttying operations do not interfere with the topcoat as stain, the locations filled with putty should be painted for repair in a color close to the former paint. The application surface should be dry. One of Fit Silicone Grains, Acricor Silicone Primer, Acricor Silicone+Hiding Primer, Acricor Anti Alkali+Hiding Primer and Fit Silicone Hiding Primer should be definitely applied in 1 thin coat, depending on the surface condition.



Atmosfere verilen organik uçucu maddeler miktarı (VOC) Avrupa Birliği normlarının altındadır.

## APPLICATION

**Recommended application tools:** Exterior Roller or Coral Roller.

**Dilution medium:** It should be diluted with water.

**Dilution Ratio:** 1. On the plastered, formerly painted surface applications, to achieve a more distinctive pattern, the coating is applied as 1 coat without dilution. To obtain a thin pattern, 10 parts FIT SILICONE WITH GRAINY may be applied by dilution with 1 part water (10%). 2. On the thermal insulation systems: the product is diluted 20-30% by volume for 1st coat. The product is applied without dilution for 2nd coats. In case the sub-surface is rough, no dilution is recommended. For the large-scaled applications performed with the exterior wall paints, it should be careful to the same ratio dilution to avoid the color shade differences.

**Recommended Primers:** One of Herbol Silicone Hiding Primer, Acricor Silicone Primer, Acricor Silicone+Hiding Primer, Acricor Anti-Alkali+Hiding Primer, Fit Silicone Hiding Primer (See, TDS-by dilution at the required ratio) should be definitely applied in 1 thin coat. If thermal insulation system on sub-surface is applied, recommended to use Acricor Anti Alkali + Hiding Primer.

**Application:** 1- Proper primer is selected and applied in 1 coat for the surface with sub-surface treatment completed, and then, 12 hours after depending on the type of primer, FIT SILICONE GRAINY should be applied. If the plaster or gross concrete of the application surface is rough, the paint is applied in 1 coat without dilution. Roller should be moved in one direction. Otherwise, surface distortion and hue differences may occur. You should take care during application that there is no overlapping between the coats. You should wait for minimum 4-8 hours between the application coats.

## CONSIDERATIONS FOR APPLICATION

- Low ambient and surface temperatures should be increased drying time.
- High hiding performance is depending to be performed to the sweeping with roller and minimum two coats the paint application, the primer application, waiting time between the coats, accurate dilute ratios.
- As the precise paint consumption may vary change depending on the surface, it should be determined by test paintwork on the surface to be painted.
- Ensure the ambient and the surface temperature should be between +5 °C and +35 °C from start of the application and until the product is fully dry. And, in these periods, the surface should not be exposed to rain, dew and frost. Otherwise cracking, blistering, early drying, undulating surface etc. problems may appear.
- It is recommended to use products with the same product number on the same surface in order to avoid color shade differences.
- Primers should be applied in 1 coat on the surface.
- Before use, the paint should be stirred in the pot to make it homogenous.
- Application surface should be dry and clean.
- Application should be performed according to the specified application directions.
- You should wait minimum 4 – 8 hours between application coats.

## CLEANING THE APPLICATION TOOLS

Application tools should be cleaned with water immediately after use.

## CHARACTERISTICS RELATED TO ENVIRONMENT AND HUMAN HEALTH

- VOC (Volatile Organic Compounds) limits comply with those specified in "DIRECTIVE 2004/42/CE OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL.
- CIT/MIT in the Paint Protective is below 15ppm.
- It does not contain Carbendazim and derivatives.
- It does not contain Ethylene-Glycol and derivatives.

## STORAGE CONDITIONS

It should be stored in a place dry, well-ventilated, kept away from heat sources and direct sunlight in the temperature range of +5 °C and +35 °C.

## OTHER WARNINGS

Hazardous dust and/or smoke may occur during operations such as sanding and burning on the painted surface. Work in well-ventilated spaces. If required, use proper personal protective equipment. When requested, detailed Safety Data Sheet is made available for detailed information.



It is available a national symbol that indicates our product is in safe with accordance with Construction Product Directive. It is manufactured according to national technical specification within the scope of Conformity Confirmation System 4.



IT CONFORMS TO TS 7847/14.06.2012

Rate Pos. No. 04.553/05

# FIT PIGMENTED PRIMER EXTERIOR



WATER BASED

## PRODUCT RELEASE

Packaging **3,5 KG - 20 KG**

Colour **White**

## FIELDS OF USE

It is used to complete performance of the topcoat paint, maximize adhesion and reduce consumption for topcoat on the structural members such as plaster, gross concrete, chipboard, gas concrete, brick and fiber cement board.

## CHARACTERISTICS

It is a covering exterior wall primer with very low water absorption and high water vapor permeability due to the acrylic binder is modified with the silicone resin; and it can be diluted with water, without any offensive odour. It reduces absorbency and strengthens the topcoat covering performance on the applied surface. It provides proper and durable sub-surface and reduces paint consumption of the topcoat.

## TECHNICAL SPECIFICATIONS OF THE PRODUCT

Appearance	White exterior wall primer
Chemical Structure	Silicone modified acrylic copolymer
Consumption (Theoretical)	0.060-0,070 L/m2 in one coat-(Varies depending of the surface condition).
Covering Power (Theoretical)	15 m2/L (at 28±5 micron dry film thickness) in one coat.
Top coat application	Recommended to wait for 12 hours for topcoat paint on it.
Recommended application coat	1 coat

## SURFACE PREPARATION

**For bare surfaces** Any materials reducing adhesion such as free sand, dust and grease should be removed of the surfaces to which FIT SILICONE HIDING PRIMER shall be applied. Minimum 21 days (recommended for 20oC) should be waited for setting the plaster on the newly plastered surface. If there are residues, such as release agents and grease on the application surface should be cleaned and rinsed by chemical wash. Any plaster irregularity on the surface should be filled with putty, and, if very smooth surface is desired, the plastered surface should be scraped off. Putty may be applied to the entire surface. After the putty gets dry, it may be slightly sanded off. Sanding dusts should be removed off the surface. Application surface should be dry. Minimum 12 hours after the application of FIT SILICONE HIDING PRIMER, FIT water based exterior wall topcoat products may be applied on it.

**For formerly painted surfaces** Any loose and peeling paints on the surface should be cleaned off; level irregularities on the surface should be filled with putty and sanded off. If desired, putty may be applied to the entire surface. After getting dry, the putty should be sanded off and free dusts should be removed. The surface is ready to apply FIT SILICONE HIDING PRIMER.

## APPLICATION

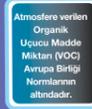
**Recommended application tools:** Roller, Brush

**Dilution medium:** It should be diluted with water.

**Dilution Ratio:** Maximum 10% by volume. (In case of over-dilution, may encounter covering problems.)

**Recommended Top Coats:** All water based exterior paints and coatings.

**Application:** It should be applied on dry and dust-free surfaces, with subsurface treatments completed (putty and primer applied.). It should be made homogenous by diluting and stirring according to the dilution ratio. FIT SILICONE HIDING PRIMER is applied in 1 coat by roller. It should wait for minimum 12 hours for the drying of FIT SILICONE HIDING PRIMER. After the primer application, all water based exterior topcoat products may be applied on it.



#### CONSIDERATIONS FOR APPLICATION

- As the precise paint consumption may vary change depending on the surface, it should be determined by test paintwork on the surface to be painted.
- Application surface should be dry and clean.
- Ensure the ambient and the surface temperature should be between +5 °C and +30 °C from start of the application and until the product is fully dry. And, in these periods, the surface should not be exposed to rain, dew and frost. Otherwise cracking, blistering, early drying, undulating surface etc. problems may appear.
- Primer should be applied in one coat on the surface.
- Before use, the primer paint should be stirred in the pot to make it homogenous.
- Application should be performed according to the specified application directions.
- FIT SILICONE HIDING PRIMER should not be diluted with water more than 10%.
- Recommended to wait for 12 hours for topcoat paint on it.

#### CLEANING THE APPLICATION TOOLS

Application tools should be cleaned with water immediately after use.

#### CHARACTERISTICS RELATED TO ENVIRONMENT AND HUMAN HEALTH

- VOC (Volatile Organic Compounds) limits comply with those specified in "DIRECTIVE 2004/42/CE OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL.
- CIT/MIT in the Paint Protective is below 15ppm.
- It does not contain Carbendazim and derivatives.
- It does not contain Ethylene-Glycol and derivatives.

#### DEPOLAMA KOŞULLARI

It should be stored in a place dry, well-ventilated, kept away from heat sources and direct sunlight in the temperature range of +5 °C and +35 °C.

#### OTHER WARNINGS

Hazardous dust and/or smoke may occur during operations such as sanding and burning on the painted surface. Work in well-ventilated spaces. If required, use proper personal protective equipment. Safety Data Sheet is available for any further information, if requested.

There is no Turkish Standard (TS) yet published for water-based primer applications.

Rate Pos. No. 04.555/02

# Cuprinol

## CUPRINOL TECHNICAL BULLETIN CATALOGUE



# CUPRINOL WOODCARE PRODUCTS AND VARNISHES

- WOODART ULTRA VARNISH WOODCARE
- WOODART ULTRA OPAQUE WOODCARE
- CLASSIC VARNISH WOODCARE
- CLASSIC WOODCARE
- CLASSIC YACHT VARNISH GLOSS&SEMI-MATT
- WOODART CLASSIC FILLER PRIMER
- SILVARNIS YACHT VARNISH
- GARDEN FURNITURE TEAK OIL
- CLASSIC TEAK OIL
- SN WOOD PUTTY
- TUTEX WOOD GLUE



\*5-years durability has been tested for Ultra Varnish Woodcare, Ultra Touch Decking Stain – For Ultra Solvent Based Natural Woods, Silvatane Pu Prestige Parquet Varnish. If used accordance to instructions specified in the technical bulletin, Yıldız Technical University has been tested and approved that provide resistance to cracking, swelling, color fading up to five years on the applied surface.

The information contained in this Technical Bulletin Catalogue has been prepared based on laboratory data. Technical support is recommended for further information not specified Technical Bulletin Catalogue. Manufacturer shall not be liable for any defect may arise due to lack of information in applications to be made without obtaining support from Technical Support or Technical Bulletin Catalogue. Our firm reserves the right to change this information.

## WOODART ULTRA VARNISH WOODCARE



SOLVENT- BASED

### PRODUCT RELEASE

Packaging 0,75 L - 2,5 L

Colour See Ultra Color Chart of Cuprinol Woodart

### FIELDS OF USE

All soft and hard exterior wood surfaces.

### CHARACTERISTICS

Cuprinol Woodart Ultra Varnish Woodcare is a solvent-based, transparent and silk matt appearance woodcare products. It gives the wood excellent water waterproof feature. This feature prevents the wood from swelling and thus reducing the risk of cracking and stripping of the paint and resulting in a very durable surface against heavy weather conditions. Cuprinol Woodart Ultra Varnish Woodcare is consisted of two different binders. One of them is the classic binder that provides long-term durability and the other is a newly developed binder that provides better absorption and adhesion. Cuprinol Woodart Ultra Varnish Woodcare contains UV filter and pigment compositions, which prevent fading of the colors resistant against harmful effects of the sunlight for a long time. Cuprinol Woodart Ultra Varnish Woodcare prevents moisture formation by allowing the wood breathe. Cuprinol Woodart Ultra Varnish Woodcare may be applied on the wood, either previously treated or new. It is recommended to use Cuprinol Woodart Ultra Solvent Based – For Wooden as the first coat for the wood to impart extra durability.

### TECHNICAL CHARACTERISTICS OF THE PRODUCT

Appearance	Color, transparent
Chemical structure	Alkyd
Drying time between coats	Min. 14-24 hours - High relative humidity and low temperature can be increase drying time.
Complete drying	Max 48 hours - High relative humidity and low temperature can be increase drying time.
Recommended application coat	Minimum 2-3 coats
Permanent material (by weight)	45%
Density	0.89 g/ml
Viscosity	54-60 seconds as per ISO 6 / 23 °C
Consumption (practical)	0.060 – 0.074 kg/m <sup>2</sup> (0.067 – 0.083 L/m <sup>2</sup> ) in one coat
Coating power (theoretical)	12-15 m <sup>2</sup> /l in one coat

### SURFACE PREPARATION

Surfaces to which Cuprinol Woodart Ultra Varnish Woodcare should be completely removed off any oil, chip dust, remnants of old paint and varnish. The wood to which Cuprinol Woodart Ultra Varnish Woodcare to be applied should be about humidity ratio of 15%. The wood surfaces to which Cuprinol Woodart Ultra Varnish Woodcare to be applied, recommended to use Cuprinol Ultra Solvent Based – for Woods before application.

### APPLICATION

**Recommended application tools:** Roller, brush

**Dilution medium:** Does not require dilution. It is ready to apply.

**Recommended primers:** Use of Cuprinol Woodart Ultra Solvent Based – for Woods is recommended.

**Application:** Cuprinol Woodart Ultra Varnish Woodcare is supplied ready to use and does not require dilution. It should be stirred thoroughly before application and this process should be occasionally repeated during the application. It should be applied by brush or roller in the direction of the grains on the wood for obtaining a homogenous color. The brush should be occasionally cleaned with a dry cloth during the application. It should not be applied below +5 °C and above +35 °C as it would reduce absorption and adhesion.

### CONSIDERATIONS FOR APPLICATION

- Temperature of ambient and surface in applications should be not below +5 °C and above +35 °C.
- Application surfaces should be dry and clean. The moisture of the wood should not exceed 15%.
- It should be applied according to the specified application characteristics.
- You should allow min. 14 hours between the coats.
- Cuprinol Woodart Ultra Solvent-Based Varnish Woodcare should be applied in direction of the wood grains during the application.
- It should be mixed thoroughly before application and this process should be occasionally repeated during the application.
- As the precise paint consumption may vary change depending on the surface, it should be determined by test paintwork on the surface to be painted.
- The applied color tones may vary depending on the structure, type of wood and how many coats you apply. It is recommended to be tested on the wood to be applied.
- Low ambient and surface temperatures should be increased drying time.
- It is recommended to use products with the same product number on the same surface in order to avoid color shade differences.



### CLEANING THE APPLICATION TOOLS

Application tools should be cleaned with water immediately after use. Dried paint on the surface may only be removed by mechanical means.

### CHARACTERISTICS RELATED TO ENVIRONMENT AND HUMAN HEALTH

- CIT/MIT in the Paint is below 15ppm.
- It does not contain carbendazim and derivatives.
- It does not contain ethylene-glycol and derivatives.

### STORAGE CONDITIONS

It should be stored in original container, in the protected ambients, not exposed to direct sunlight, in the temperature not below 0 °C and above +35 °C

### OTHER WARNINGS

Hazardous dust and/or smoke may occur during operations such as sanding and burning on the painted surface. Work in well-ventilated spaces. If required, use proper personal protective equipment. Safety Data Sheet is available for any further information, if requested.

Public Works Pos. No. Y.25.001/05-Y.25.001/06  
Rate Pos. No. 04.515/2

# WOODART ULTRA OPAQUE WOODCARE



### PRODUCT RELEASE

Packaging **1 L - 2,5 L**

Colour See Opaque Color Chart of Cuprinol Woodart

### FIELDS OF USE

Windows, doors, panel doors and all exterior wood surfaces.

### CHARACTERISTICS

Cuprinol Woodart Ultra Opaque Woodcare is a water-based hiding paint which for soft and hardwoods. It allows the wood surface structure to showed itself. It is resistant to heavy weathering, swelling and peeling thanks to its flexibility and water-repellent feature. It has the properties of completely change the color of the surface and showing the natural appearance of the wood. Cuprinol Woodart Ultra Opaque Woodcare is ideal choice for areas where a color change is desired. It has excellent adhesion even on previously-treated wood. Even for color transitions from black to white, only two coats are sufficient to achieve full color change. Cuprinol Woodart Ultra Opaque Woodcare provides durability and decorative appearance.

### TECHNICAL CHARACTERISTICS OF THE PRODUCT

Appearance	White, hiding
Chemical structure	Alkyd latex/Alkyd emulsion
Drying time between coats	Min. 2-6 hours - High relative humidity and low temperature can be increase drying time.
Complete drying	Max 24 hours - High relative humidity and low temperature can be increase drying time.
Recommended application coat	Minimum 2-3 coats
Permanent material (by weight)	50%
Density	1.20 g/ml
Viscosity	54-60 seconds as per ISO 6 / 23 °C
Consumption (practical)	0.096 – 0.120 kg/m <sup>2</sup> (0.080 – 0.100 l/m <sup>2</sup> ) in one coat
Coating power (theoretical)	8-10 m <sup>2</sup> /l in one coat

### SURFACE PREPARATION

Surfaces to which Cuprinol Woodart Ultra Opaque Woodcare to be applied should be completely removed off oil stains, chip dusts, remnants of old paint and varnish. The moisture content of the wood must not exceed 15%. The wood surfaces to which Cuprinol Woodart Ultra Water-Based Varnish Woodcare to be applied, recommended to use Cuprinol Woodart Ultra Water-Based – for Natural Woods before application. Woodart Ultra Water-Based – For Natural Woods is not recommended on veneered wood and panel doors.

### APPLICATION

**Recommended application tools:** Roller, brush

**Dilution medium:** Does not require dilution. It is ready to apply.

**Application:** Cuprinol Woodart Ultra Opaque Woodcare is supplied ready to use and does not require dilution. It should be stirred thoroughly before application. It should be applied full spreading, in the direction of the wood grains. Care should be taken not to apply a very thin layer. Brush should be occasionally cleaned with a dry cloth during the application. It should not be applied in humid weather and ambient below of +10 °C, as it would reduce absorption and adhesion and also drying time is extended. Apply it over the whole surface. Care should be taken to apply on the tops and bottoms of doors and undersides of cills, frames and ledges of windows. When applying on exterior wood, if possible, should be applied over the whole surface before mounting the structure materials. It should be applied by brush or roller in the direction of the wood grains to obtain a homogenous color. The second coats should be applied after 2-6 hours.

### CONSIDERATIONS FOR APPLICATION

- Surface and ambient temperatures during applications should be not below +5 °C and above +35 °C.
- Application surfaces should be dry and clean. The moisture content of the wood must not exceed 15%.
- It should be applied according to the specified application characteristics.
- You should allow min. 10 hours between the coats.
- Cuprinol Woodart Ultra Opaque Woodcare should be applied in direction of the wood grains during the application.
- It should be stirred thoroughly before application and this process should be occasionally repeated during the application.
- As the precise paint consumption may vary change depending on the surface, it should be determined by test paintwork on the surface to be painted.
- The applied color tones may vary depending on the structure, type of wood and how many coats you apply. It is recommended to be tested on the wood to be applied.
- Low ambient and surface temperatures should be increased drying time.
- It is recommended to use products with the same product number on the same surface in order to avoid color shade differences.



## CLASSIC VARNISH WOODCARE



SOLVENT- BASED

### CLEANING THE APPLICATION TOOLS

Application tools should be cleaned with water and soap immediately after use. Dried paint on the surface may only be removed by mechanical means.

### CHARACTERISTICS RELATED TO ENVIRONMENT AND HUMAN HEALTH

- CIT/MIT in the Paint is below 15ppm.
- It does not contain carbendazim and derivatives.
- It does not contain ethylene-glycol and derivatives.

### STORAGE CONDITIONS

It should be stored in original container, in the protected ambients, not exposed to direct sunlight, in the temperature not below 0 °C and above +35 °C

### OTHER WARNINGS

Hazardous dust and/or smoke may occur during operations such as sanding and burning on the painted surface. Wet sanding should be used wherever possible. Work in well-ventilated spaces. If required, use proper personal protective equipment. Safety Data Sheet is available for any further information, if requested.

Public Works Pos. No. Y.25.001/06

### PRODUCT RELEASE

Packaging 0,75L – 2,5L– 15L

Colour See Classic Color Chart of Cuprinol

### FIELDS OF USE

It is used, wooden panels, buildings used wood as building elements, door and window frames, blinds, balcony parapet and stair railings, wood ceiling and beams, rustic and decorative wood elements, furniture components where the natural appearance is desired to be preserved and similar woodworks.

### CHARACTERISTICS

Cuprinol Classic Varnish Woodcare provides durability of the wood, which in indoor and outdoor weathering. Does not fill the pores of the wood and maintains their natural and warm wood appearance. It provides a decorative and uniform appearance to the wood.

### TECHNICAL CHARACTERISTICS OF THE PRODUCT

Appearance	Transparent and colored
Chemical structure	Long oil alkyd resins
Drying time between coats	Min. 8 hours - High relative humidity and low temperature can be increase drying time.
Complete drying	Max 48 hours - High relative humidity and low temperature can be increase drying time.
Recommended application coat	Minimum 2-3 coats
Recommended application coat	It should be applied 2 or 3 coats by brush or cloth pursuant to the wood type (hard and soft) and the preferred color tone. It's recommended to apply of min. 3 coats and using of colored tones on the surfaces exposed to the exterior atmosphere.
Permanent material (by weight)	48% -50%
Density	0.90-0,92 g/cm <sup>3</sup>
Viscosity	40-48 sn ISO Cup 6
Flash Point	Min 38 °C
Consumption (practical)	0.050– 0.070 kg/m <sup>2</sup> (0.055 – 0.075 l/m <sup>2</sup> ) in one coat
Coating power (theoretical)	15 m <sup>2</sup> /l in one coat

### SURFACE PREPARATION

Surfaces to which Cuprinol Classic Varnish Woodcare to be applied, should be completely removed off oil stains, chip dusts, remnants of old paint and varnish. Cuprinol Classic Varnish Woodcare is not used on the formerly painted surfaces with hiding paint. If it is necessary to use it, the paint should be cleaned until to the bare wood scraping by motorized sander, heat gun etc. tools.

### APPLICATION

**Recommended application tools:** Roller, brush

**Dilution medium:** Does not require dilution. It is ready to apply. It is directly applied without dilution.

**Recommended primers:** Can be used water and Solvent Based Natural Woods

**Application:** The application should be performed carefully for the reason that could occur different colour tones on the surface depending on the wood type and the surface condition. It should be poured surplus of Cuprinol Woodart Classic Varnish Woodcare and it also should be taken by a clean brush surplus of wood protection on the surface. Cuprinol Classic Varnish Woodcare should be taken care of to apply in a homogeneously on the surface. The product should be mixed frequently in its container to prevent tone differences arising out of collapse during application. The preferred coloring level can be achieved with apply of 2-3 coats depending on the wood type. If Cuprinol Wood Art Classic Varnish Woodcare is applied to the surfaces exposed to the exterior atmosphere, recommend to use colored tones and the apply as a minimum of 3 coats.

### CONSIDERATIONS FOR APPLICATION

- Cuprinol Woodart Classic Varnish Woodcare should be stirred in the its pot to make it homogenous before use.
- Surface and ambient temperatures during applications should be not below +5 °C and above +35 °C.
- Application surfaces should be dry and clean. The moisture content of the wood must not exceed 15%.
- It should be applied according to the specified application characteristics.
- You should wait minimum 8 hours between the coats
- Product should be occasionally stirred in its container during the application.
- Cuprinol Woodart Varnish Woodcare should be applied as homogenous on the surface.
- Care should be taken to avoid being left excess paint on surface and wipe away any excess paint by brush and roller.
- As the precise paint consumption may vary change depending on the surface, it should be determined by test paintwork on the surface to be painted.
- The applied color tones may vary depending on the structure, type wood and how many coats you apply. It is recommended to be tested on the wood to be applied.
- Low ambient and surface temperatures should be increased drying time.
- It is recommended to use products with the same product number on the same surface in order to avoid color shade differences.



### CLEANING THE APPLICATION TOOLS

Application tools should be cleaned with Marshall Synthetic Thinner immediately after use.

### CHARACTERISTICS RELATED TO ENVIRONMENT AND HUMAN HEALTH

- It does not contain CIT/MIT in the Paint
- It does not contain carbendazim and derivatives.
- It does not contain ethylene-glycol and derivatives.

### STORAGE CONDITIONS

It should be stored in original container, in the protected ambients, not exposed to direct sunlight, in the temperature not below 0 °C and above +35 °C

### OTHER WARNINGS

Hazardous dust and/or smoke may occur during operations such as sanding and burning on the painted surface. Wet sanding should be used wherever possible. Work in well-ventilated spaces. If required, use proper personal protective equipment. When requested, detailed Safety Data Sheet is made available for detailed information.

Public Works Pos. No. Y.25.001/05-Y.25.001/06  
Rate No. 04.515/2



## CLASSIC WOODCARE



SOLVENT- BASED

### PRODUCT RELEASE

Packaging 0,75 L - 2,5 L – 15L

Colour See Classic Color Chart of Cuprinol

### FIELDS OF USE

It is used, wooden panels, buildings used wood as construction elements, door and window frames, blinds, railings for stairway or balcony, wood ceiling and beams, rustic and decorative wood elements, furniture components where the natural appearance is desired to be preserved and similar woodworks.

### CHARACTERISTICS

Cuprinol Woodart Classic Woodcare provides durability of the wood, which in interior and exterior weathering. Does not fill the pores of wood and maintains their natural and warm wood appearance. It provides a decorative and uniform appearance to the wood.

### TECHNICAL CHARACTERISTICS OF THE PRODUCT

Appearance	Transparent and colored
Chemical structure	Long oil alkyd resins
Drying time between coats	Min. 8 hours - High relatively humidity and low temperature can be increase drying time.
Complete drying	Max 24 hours - High relatively humidity and low temperature can be increase drying time.
Recommended application coat	It should be applied 2 or 3 coats by brush or cloth pursuant to the wood type (hard and soft) and the preferred color tone. It's recommended to apply of minimum 3 coats and using of colored tones on the surfaces exposed to the exterior atmosphere
Permanent material (by weight)	24% -27%
Density	0.82-0,86 g/cm³
Viscosity	30-34 sn ISO Cup 3
Consumption (practical)	0.088 – 0.120 kg/m² (0.1 – 0.15 l/m²) in one coat
Coating power (theoretical)	8 m²/L in one coat

### SURFACE PREPARATION

Surfaces to which Cuprinol Classic Woodcare to be applied should be completely removed off oil stains, chip dusts, remnants of old paint and varnish. Cuprinol Classic Woodcare not used on the painted surfaces with hiding paint. If it is necessary to use it, the paint should be cleaned until to the bare wood scraping by motorized sander, heat gun etc. tools.

### APPLICATION

**Recommended application tools:** It should be applied by brush or roller.

**Dilution medium:** Does not require dilution. It is ready to apply. It is directly applied without dilution.

**Recommended Primers:** Water and Solvent Based -For Natural Woods can be used.

**Application:** The application should be performed carefully for the reason that could occur different colour tones on the surface depending on the type and surface of the wood. It should be poured surplus of Cuprinol Woodart Classic Woodcare and it also should be taken by a clean brush surplus of wood protection on the surface. Cuprinol Classic Woodcare should be taken care of to apply in a homogeneously. The product should be mixed frequently in its container to prevent tone differences arising out of the collapse the during application. The preferred coloring degree can be achieved with apply of 2-3 coats depending on the wood type. If Cuprinol Wood Art Classic Woodcare is applied on the surfaces exposed to the exterior atmosphere should be apply min. of 3 coats and colored tones for durable.

### CONSIDERATIONS FOR APPLICATION

- Cuprinol Classic Woodcare should be stirred in the its pot to make it homogenous before use and this process should be occasionally repeated during the application.
- It's recommended to apply one of Marshall exterior topcoats to increase its resistance and surface gloss.
- Surface and ambient temperatures during applications should be not below +5 °C and above +35 °C. (Otherwise, problems may arise with respect to drying and spreading).
- Application surfaces should be dry and clean. The moisture content of the wood must not exceed 15%.
- It should be applied according to the specified application characteristics.
- You should wait minimum 8 hours between the coats.
- Product should be occasionally stirred in its container during application.
- Cuprinol Classic Woodcare should be applied as homogenous on the surface.
- Care should be taken to avoid be left excess paint on surface and wipe away any excess paint by brush and roller.
- As the precise paint consumption may vary change depending on the surface, it should be determined by test paintwork on the surface to be painted.
- The applied color tones may vary depending on the structure, type wood and how many coats you apply. It is recommended to be tested on the wood to be applied.
- It is recommended to use products with the same product number on the same surface in order to avoid color shade differences.
- Low ambient and surface temperatures should be increased drying time.



## CLASSIC YACHT VARNISH GLOSS- SEMI MATT



SOLVENT- BASED

### CLEANING THE APPLICATION TOOLS

Application tools should be cleaned with Marshall Synthetic Thinner immediately after use

### CHARACTERISTICS RELATED TO ENVIRONMENT AND HUMAN HEALTH

- It does not contain CIT/MIT in the Paint
- It does not contain carbendazim and derivatives.
- It does not contain ethylene-glycol and derivatives.

### STORAGE CONDITIONS

It should be stored in original container, in the protected ambients, not exposed to direct sunlight, in the temperature not below 0 °C and above +35 °C

### OTHER WARNINGS

Hazardous dust and/or smoke may occur during operations such as sanding and burning on the painted surface. Wet sanding should be used wherever possible. Work in well-ventilated spaces. If required, use proper personal protective equipment. When requested, detailed Safety Data Sheet is made available for detailed information.

Public Works Pos. No. Y.25.001/06  
Rate No. 04.555/12

### PRODUCT RELEASE

Packaging 0,75 L - 2,5 L – 12KG

### FIELDS OF USE

It is used in construction building elements, doors, windows, blinds, garden fences and wooden parts of marine vehicles.

### CHARACTERISTICS

It's gloss&semi matt varnish, tough and elastic which resistant to water and moisture under the atmospheric conditions, having a high gloss&silk matt, no-fading and protect warm appearance of the wood without any change for long years.

### TECHNICAL CHARACTERISTICS OF THE PRODUCT

Appearance	Transparent
Chemical structure	Urethane oil
Drying time between coats	8 hours - High relative humidity and low temperature can be increase drying time.
Complete drying	Max 48 hours - High relative humidity and low temperature can be increase drying time.
Recommended application coat	It should be applied 2 or 3 coats depending on the desired appearance and the characteristic of wood.
Permanent material (by weight)	55% - 57%
Density	0.89-0,92 g/cm <sup>3</sup>
Viscosity	75-85 sn ISO Cup 6 - Semi-matt:110-120 sn. ISO cup 6
Flash Point	Min. 38 °C
Consumption (practical)	0.060 – 0.090 kg/m <sup>2</sup> (0.065– 0.100 L/m <sup>2</sup> ) in one coat
Coating power (theoretical)	14 m <sup>2</sup> /l (at 28±5 micron)
Glossy	Min. 85 – Semi matt: 30-40

### SURFACE PREPARATION

**For bare surfaces** Dirt, dust and oils on the application surface should be removed by wiping, detergent water or Chemical washing. The surfaces subject to detergent or chemical washing should be washed once more with clear water. The wood should be sanded by suitable sandpaper and dusts wiped off. In case of surfaces not dry, no varnishing should be performed. You should be applied one coat of water and solvent based color Cuprinol Classic Woodcare to extend the lifetime and for better durability the wood to be varnished. You may apply Cuprinol Classic Yacht Varnish 24 hours after apply of Cuprinol Woodart Classic Woodcare.

**For formerly painted surfaces** Any blistered, loose old varnishes on the surface should be removed by scraping and the surface should be sandpapered thoroughly. Be careful that no difference of level and old varnish remain on the surface. Application should be made on dry, dust-free and clean surface. If you can down to the wood on the formerly varnished surfaces, it's advices to apply a minimum of 1coat water and solvent based color Cuprinol Classic Woodcare for better protection of the wood. You may apply Cuprinol Classic Yacht Varnish 24 hours after application of Cuprinol Classic Woodcare.

### APPLICATION

**Recommended application tools:** Marshall natural brush or roller

**Dilution medium:** Marshall Synthetic Thinner

**Dilution Ratio:** 10 parts Cuprinol Classic Yacht Varnish is diluted by 1 part Marshall Thinner Synthetic for each coat.

**Recommended Primers:** 1 coat water and solvent based 1 coat Cuprinol Classic Woodcare according to the desired hue. (Not: burada 1 kat su veya 1 kat diye geçiyor metinde, yanlış olduğunu düşünerek 1 kat su ve solvent bazlı olarak değiştirildi)

**Application:** Previously untreated wood surfaces are prepared as described in the new surfaces section to be varnish. You should apply 1 coat water and solvent based color Cuprinol Classic Woodcare followed up Cuprinol Classic Yacht Varnish, well thinned and mixed homogenously, by brush or roller in 2-3 coats depending on the desired level of gloss for more protection of the wood against the sunlight. You should wait 4 -8 hours between the application coats.



### CONSIDERATIONS FOR APPLICATION

- Product should be stirred in the its pot to make it homogenous before use.
- Surface and ambient temperatures during applications should be not below +5 °C and above +35 °C. (Otherwise, problems may arise with respect to drying and spreading).
- Application surfaces should be dry and clean. The moisture content of the wood must not exceed 15%.
- It should be applied according to the specified application characteristics.
- Proper roller and brushes should be used during application.
- As the precise paint consumption may vary change depending on the surface, it should be determined by test paintwork on the surface to be painted.
- Low ambient and surface temperatures should be increased drying time.

### CLEANING THE APPLICATION TOOLS

Application tools should be cleaned with Marshall Synthetic Thinner immediately after use

### CHARACTERISTICS RELATED TO ENVIRONMENT AND HUMAN HEALTH

- It does not contain CIT/MIT in the Paint
- It does not contain carbendazim and derivatives.
- It does not contain ethylene-glycol and derivatives.

### STORAGE CONDITIONS

It should be stored in original container, in the protected ambients, not exposed to direct sunlight, in the temperature not below 0 °C and above +35 °C

### OTHER WARNINGS

Hazardous dust and/or smoke may occur during operations such as sanding and burning on the painted surface. Wet sanding should be used wherever possible. Work in well-ventilated spaces. If required, use proper personal protective equipment. Safety Data Sheet is available you request any further information

Public Works Pos. No. Y.25.001/04  
Rate No. 04.561/01

## WOODART CLASSIC FILLER PRIMER



CELLULOSIC-BASED

### PRODUCT RELEASE

Packaging **2,5 L – 12L**

### FIELDS OF USE

It is applied to fill the pores on all types of wood surface and as a transparent primer to provide a better surface of topcoat application.

### CHARACTERISTICS

It is a product that fill its pores without degradation the natural appearance of the wood and that provide the more decorative appearance and less consumption of topcoat varnishes to be applied. It also helps to strengthen weather-resistant of the wood.

### TECHNICAL CHARACTERISTICS OF THE PRODUCT

Appearance	Colourless, misty
Chemical structure	Cellulosic resin
Consumption (practical)	0.060 – 0.090 kg/m <sup>2</sup> (0.065 – 0.095 L/m <sup>2</sup> ) in one coat
Coating power (theoretical)	10 m <sup>2</sup> /l in one coat (at 28±5 micron)
Drying time	Approximately 10 minute. It can be sanded at 3-4 hours after its application. High relative humidity and low temperature can be increase drying time.
Recommended application coat	Thin 1 coat
Permanent material (by weight)	26% -27%
Density	0.93 g/cm <sup>3</sup>
Viscosity	85-95 sn ISO Cup 6

### SURFACE PREPARATION

**For bare sarufaces** The application surface should be cleaned with sandpaper or scraper and sanding dust should be wiped. Any oil stains on the woods, should be cleaned by detergent water or chemical washing. Cuprinol Woodart- For Natural Woods, applies to 1-2 coats on the wood for the first coat. Cuprinol Woodart Classic Filler Primer applied in 1 thin coat on wood surface that dust-free and clean, minimum 24 hours after application of Cuprinol Woodart – For Natural Woods. The surface is slightly sanded, 2 hours after the application. Sanding dust should be removed off by wiping. On the Cuprinol Woodart Classic Filler Primer applied to the surface can be applied wood varnishes with different gloss for the topcoat to depending on the desired appearance. If the topcoat varnish to be applied after a long period (after 3 days) the Cuprinol WoodArt Classic Filler Primer is applied; surface applied of Cuprinol Woodart Classic Filler Primer on it should be sanded well.

**For formerly painted surfaces** If there are blistered, spilled varnishes on the surface, the all varnishes on surfaces should be removed with sandpaper or scraper, should be down to the wood, and sand dusts should be removed off; after this, 1 coat of Cuprinol WoodArt Classic Filler Primer should be applied. If there are no blistered varnishes on the surface and since the surface be matted, if it needs to be varnished again; whole surface must be matted by lightly scraper. On the surface which of dusts are wiped and cleaned, topcoat can be applied directly without applying Cuprinol Woodart Classic Filler Primer.

### APPLICATION

**Recommended application tools:** Marshall brushes or spray.

**Dilution medium:** Cellulosic Thinner

**Dilution Ratio:** 3 part Cuprinol Woodart Classic Filler Primer is diluted 1 part with Cellulosic Thinner.

**Recommended Primers:** Cuprinol Woodart Classic Filler Primer applied in 1 or 2 coats. Cuprinol Woodart Classic Filler Primer can be applied at least 24 hours after the Cuprinol Woodart Natural Woods application.

**Application:** It is applied in 1 thin coat by any application tool of Cuprinol Woodart Classic Filler Primer which is properly diluted and homogenously mixed on the surfaces which of clean, dry and Cuprinol Woodart – For Natural Woods is applied. Within 2-3 hours, the applied surface of Cuprinol Woodart Classic Filler Primer should be applied the topcoat varnish immediately by lightly sanded. In this way, the varnish provides good adhesion to the surface. Otherwise, Cuprinol Woodart Classic Filler Primer should be sanded thoroughly, the surface should be softened by wiping with cellulosic thinner and then topcoat should be applied.



# WOODART CLASSIC FILLER PRIMER



SOLVENT-BASED

## CONSIDERATIONS FOR APPLICATION

- Product should be stirred in the its pot to make it homogenous before use.
- Surface and ambient temperatures during applications should be not below +5 °C and above +35 °C.
- Application surfaces should be dry and clean.
- Maximum 24 hours after Cuprinol Woodart Classic Filler Primer, synthetic varnish should be applied.
- As the precise paint consumption may vary change depending on the surface, it should be determined by test paintwork on the surface to be painted.
- Low ambient and surface temperatures should be increased drying time.

## CLEANING THE APPLICATION TOOLS

Application tools should be cleaned with Marshall Synthetic Thinner immediately after use

## STORAGE CONDITIONS

It should be stored in original container, in the protected ambients, not exposed to direct sunlight, in the temperature not below 0 °C and above +35 °C

## OTHER WARNINGS

Safety Data Sheet is available you request any further information.

Public Works Pos. No. Y.25.001/04  
Rate No. 04.561/01

## PRODUCT RELEASE

Packaging **2,5 L**

## FIELDS OF USE

Varnishing of the doors, windows, pergola, woodworks and wooden parts of marine vehicles.

## CHARACTERISTICS

Cuprinol Silvarnichts Yacht Varnish, a wood protector with gloss appearance, transparent, the modified alkyd resin-based. Because it contains the resins, has excellent resistance to heavy weathers and UV rays. It is a varnish resistance to sea water. Interior and exterior surfaces allows varnishing of light-coloured wood. This product provides protection to effect and color fading of the weathers.

## TECHNICAL CHARACTERISTICS OF THE PRODUCT

Appearance	Transparent, gloss
Chemical structure	Modified alkyd resin
Drying time between coats	Max. 16 hours - High relative humidity and low temperature can be increase drying time.
Thorough-dry	Max 24 days - High relative humidity and low
Recommended application coat	Minimum 2-3 coats
Permanent material (by weight)	57%
Density	0,92
Viscosity	83KU
Flash Point	38 °C
Consumption (practical)	80 – 100 g/m <sup>2</sup>
Covering power (theoretical)	12-15 m <sup>2</sup> /L in one coat.

## SURFACE PREPARATION

**Bare woods** Surface is removed from dust by dry brushing. Before application the wood which containing resin and natural oils in the body and oily tropical trees, surface should be removed from grease with organic solvents such as celulosic thinner. It recommended to apply of "Water or Solvent Based Protector – For Natural Woods" for give the wood a longer durability. Then, Cuprinol Classic Woodcare can be applied. After drying, the surface should be lightly sanded by fine sandpaper and sanding dust should be removed from the environment. The moisture content of wood applied to the Cuprinol Silvarnis Yacht Varnish must not exceed 15%.

**Previously varnished woods** A blistered varnish film on the surface should be scraped off thoroughly. Other parts should be carefully cleaned by washing with clean water. Before the Cuprinol Silvarnis Yacht Varnish is applied, make sure complete drying of the surface. After the complete drying, the surface should be lightly sanded with fine sandpaper and sanding dust should be removed from the environment.

## APPLICATION

**Recommended application tools:** Roller, brush

**Dilution medium:** Dilution is not required. Ready to apply.

**Recommended Primers:** It recommended "Cuprinol Woodart Ultra Water and Solvent Based– For Natural Woods" as primer.

**Application:** Cuprinol Silvarnish Yacht Varnish is provided ready to use and does not require dilution. It should be stirred before application and this process should be occasionally repeated during the application. Application should be done 2 or 3 coats on new wood surfaces applied "Cuprinol Woodart Ultra Water and Solvent Based– For Natural Woods" and wait about 16 hours between coats. Wood surfaces should be attention not be exposed to direct sunlight during the application.



## GARDEN FURNITURE TEAK OIL



OIL-BASED

### PRODUCT RELEASE

Packaging 1 L - 4 L

### FIELDS OF USE

All exterior wood surfaces, garden furnitures, deck and gangways.

### CHARACTERISTICS

Cuprinol Garden Furniture Teak Oil is a solvent based wood protector which is obtained from combination of specially select refined and natural oils with a sort of wax. Cuprinol Garden Furniture Teak Oil is absorbed deeply by the wood and not leave any film on the surface. Prevents water from penetrating the wood due to absorption of deeply and saturable by the wood. Thus, it provides high durability without degradation the natural structure of the wood. It's advised applying oiling process every 6-months for the general care of hardwoods.

### TECHNICAL CHARACTERISTICS OF THE PRODUCT

Appearance	Transparent
Chemical structure	Natural and refined oils
Complete drying	Max 24 days - High relative humidity and low temperature can be increase drying time.
Recommended application coat	Minimum 1-2 coats
Density	0,757 g/cm <sup>3</sup>
Coating power (theoretical)	24 m <sup>2</sup> /L in one coat.

### SURFACE PREPARATION

Surfaces to which Cuprinol Garden Furniture Teak Oil to be applied should be completely removed off oil stains, chip dusts, remnants of old paint and varnish. Before applying the wood which containing resin and natural oils in the body, surface should be a wiped with a cloth dipped into organic solvents such as cellulosic thinner. The wood to which Cuprinol Garden Furniture Teak Oil to be applied should be moisture rate of max. 18%. It's advised to apply after cleaning with Cuprinol Garden Furniture Restorer to restore to the original form of the wood which lost the natural state and color with the weathers.

### APPLICATION

**Recommended application tools:** Brush or roller.

**Dilution medium:** It's applied directly without dilution.

**Recommended Primers:** It recommended "Cuprinol Woodart Ultra Water and Water Based– For Natural Woods" as primer.

**Application:** Cuprinol Garden Furniture Teak Oil is supplied ready to use and does not require dilution. It should be applied abundantly by brush in the direction of the wood grains to a homogeneous appearance and it is saturated with oil. After waiting for about 15-20 minutes, wipe off excess material with a clean cloth. If required, apply a second coat. Clean the brush with a dry cloth time to time during application. It should not be applied below +5°C as it will reduce absorption and adhesion.

### CONSIDERATIONS FOR APPLICATION

- Surface and ambient temperatures during applications should be not below +5 °C and above +35 °C.
- Application surfaces should be dry and clean.
- The moisture content of the wood must not exceed 15%.
- Application should be performed according to the specified application characteristics.
- Cuprinol Teak Oil should be applied in the direction of the wood grains.
- As the precise paint consumption may vary change depending on the surface, it should be determined by test paintwork on the surface to be painted.
- Low ambient and surface temperatures should be increased drying time.
- Do not apply under direct sunlight.

### CONSIDERATIONS FOR APPLICATION

- Surface and ambient temperatures during applications should be not below +5oC and above +35oC.
- Application surfaces should be dry and clean. The moisture content of the wood must not exceed 10%.
- Application should be done according to the specified application characteristics.
- You should allow min. 24 hours between the coats.
- Wood surfaces should be attention not be exposed to direct sunlight during the application.
- As the precise paint consumption may vary change depending on the surface, it should be determined by test paintwork on the surface to be painted.
- Low ambient and surface temperatures should be increased drying time.

### CHARACTERISTICS RELATED TO ENVIRONMENT AND HUMAN HEALTH

- It does not contain CIT/MIT.
- It does not contain carbendazim and derivatives.
- It does not contain ethylene-glycol and derivatives.

### STORAGE CONDITIONS

It should be stored in original container, in the protected ambients, not exposed to direct sunlight, in the temperature not below 0 °C and above +35 °C

### OTHER WARNINGS

Hazardous dust and/or smoke may occur during operations such as sanding and burning on the painted surface. Work in well-ventilated spaces. If required, use proper personal protective equipment. Safety Data Sheet is available for any further information, if requested.



#### CLEANING THE APPLICATION TOOLS

Application tools should be cleaned with synthetic thinner and cloth immediately after use. Dried product on the surface, may be removed only mechanically.

#### STORAGE CONDITIONS

It should be stored in original container, in the protected ambients, not exposed to direct sunlight, in the temperature not below 0 °C and above +35 °C

#### OTHER WARNINGS

It has self-ignition risk. All wastes, used cloths, rags etc. must be kept in fire-resistant container. Hazardous dust and/or smoke may occur during operations such as sanding and burning on the painted surface. Wet sanding should be used wherever possible. Work in well-ventilated spaces. If required, use proper personal protective equipment. Safety Data Sheet is available for any further information if requested.

## CLASSIC TEAK OIL



OIL-BASED

#### PRODUCT RELEASE

Packaging 0,75L -2,5 L

Colour Transparent

#### FIELDS OF USE

All exterior wood surfaces, garden furnitures, deck and gangways.

#### CHARACTERISTICS

Cuprinol Classic Teak Oil is a solvent based wood protector which is obtained from combination of specially select refined and natural oils with a sort of wax. Cuprinol Classic Teak Oil is absorbed deeply by the wood and not leave any film on the surface. Prevents water from penetrating the wood due to absorption of deeply and saturable by the wood. It's advised applying oiling process every 6-months for general care of hardwoods.

#### TECHNICAL CHARACTERISTICS OF THE PRODUCT

Appearance	Transparent
Chemical structure	Modified alkyd
Complete drying	Max 24 days - High relative humidity and low temperature can be increase drying time.
Recommended application coat	Minimum 1-2 coats
Density	0,83-0,85 g/cm <sup>3</sup>
Coating power (theoretical)	12-15 m <sup>2</sup> /L

#### SURFACE PREPARATION

Surfaces to which Cuprinol Classic Teak Oil to be applied should be completely removed off oil stains, chip dusts, remnants of old paint and varnish. The wood to which Cuprinol Classic Teak Oil to be applied should be about humidity ratio of maximum 15%.

#### APPLICATION

**Recommended application tools:** Brush or roller.

**Dilution medium:** It is applied directly without dilution.

**Application:** Cuprinol Classic Teak Oil is supplied ready to use and does not require dilution. It should be applying abundantly by brush in the direction of the wood grains to a homogeneous appearance and it is saturated with oil. After waiting for about 15-20 minutes, wipe off excess material with a clean cloth. If required, apply a second coat. Clean the brush with a dry cloth time to time during application. Do not apply below +5°C and above +35°C as this will reduce absorption and adhesion.

#### CONSIDERATIONS FOR APPLICATION

- Surface and ambient temperatures during applications should be not below +5 °C and above +35 °C.
- Application surfaces should be dry and clean.
- The moisture content of the wood must not exceed 15%.
- Application should be performed according to the specified application characteristics.
- Do not apply under direct sunlight.
- Cuprinol Classic Teak Oil should be applied in the direction of the wood grains.
- As the precise paint consumption may vary change depending on the surface, it should be determined by test paintwork on the surface to be painted.
- Low ambient and surface temperatures should be increased drying time.



### CLEANING THE APPLICATION TOOLS

Application tools should be cleaned with synthetic thinner and cloth immediately after use. Dried product on the surface, may be removed only mechanically.

### CHARACTERISTICS RELATED TO ENVIRONMENT AND HUMAN HEALTH

- It does not contain CIT/MIT.
- It does not contain carbendazim and derivatives.
- It does not contain ethylene-glycol and derivatives.

### STORAGE CONDITIONS

It should be stored in original container, in the protected ambients, not exposed to direct sunlight, in the temperature not below 0 °C and above +35 °C

### OTHER WARNINGS

It has self-ignition risk. All wastes, used cloths, rags etc. must be kept in fire-resistant container. Hazardous dust and/or smoke may occur during operations such as sanding and burning on the painted surface. Wet sanding should be used wherever possible. Work in well-ventilated spaces. If required, use proper personal protective equipment. Safety Data Sheet is available for any further information if requested.



# SN WOOD PUTTY



WATER-BASED

### PRODUCT RELEASE

Packaging 0,75L -2,5 L

Colour Opaque White

### FIELDS OF USE

It is applied to all types of wooden surfaces and on structure components such as metal, gross concrete etc.

### CHARACTERISTICS

It is filler and surface corrective putty improved for the wood surfaces which water-based, acrylic, highly durable, high adhesion and excellent filling capacity, quick-dry and easy to apply. Generally, it may be used in small & narrow areas due to quick dry on concrete surfaces.

### TECHNICAL CHARACTERISTICS OF THE PRODUCT

Appearance	Matt/Off-white
Chemical structure	Water-based acrylic
Consumption (practical)	0,4-0,6 L/m2 (1.050 kg/m2)
Drying time	It may be sanded and painted at least 3 hours after its application. High relative humidity and low temperature may be increased drying time.
Density	1,67-1,71 g/cm3
Viscosity:	Thix
Recommended application coat	1 coat
Recommended application thickness	Maximum 4 mm

### SURFACE PREPARATION

**For bare sarufaces** The application surface must be dry, dust-free and clean. The wood surfaces are lightly sanded and the sanding dusts are removed from the surface. A trowel and scraper are used for fillings and scrapings. If the surface where the putty will be applied is a metal surface or gross concrete, the surface to be puttied must not be wider. Otherwise, it quickly dries and therefore it could not be smooth applied and application difficulty could be experienced.

**For formerly painted surfaces** Any swelled and loose paints should be scraped and removed off the surface. The formerly paints of well-adhered that can't be scraped off the surface are slightly sanded. The free dust on complete surface is removed. Level differences caused due to scraping the paint are removed by filling with Marshall Putty SN. If desired, 1-coat of Marshall Putty SN is applied onto the whole wooden surface for much more reinforcing the surface. Once Marshall Putty SN becomes dry, the traces resulting from application are removed after being sanded. It should be used for only local repair on the wide gross concrete and metal surfaces. Otherwise, it is possible to experience application difficulty due to quick drying

### APPLICATION

**Recommended application tools:** Trowel, Scraper and proper paint blaster

**Dilution medium:** It is applied directly without dilution.

**Recommended top coats:** Marshall Enamel Gloss, Luxe Gloss, Pastel Semi-Matt and Woodart hiding paints could be applied depending on the gloss level desired.

**Application:** You should stir the product in container to make it homogenous before use of it. Be careful that the application surface should be dry and free of dust. If the application shall be in form of local repair to remove any defects on the surface, the putty is applied by overfilling the holes by scraper or trowel. Holes should not be filled at once. Based on the deepness of the hole, it should be filled 2 or 3 times by means of filling once becomes dry. Otherwise, cracking could be experienced. After it gets dry, you should sand off the excess putty. The sanding dust is removed and now the surface becomes ready for topcoat painting.

If Marshall Putty SN will be applied to the entire surface in order to prepare a smooth surface for the topcoat paint, the holes the surface should be filled first. After dried thoroughly, Marshall Putty SN is applied to these parts (after initial repair) by use of trowel, scraper or spray gun in form of a fine coat. After the putty gets dry, a light sanding is performed and the sanding powder is removed off the surface. The surface is now ready for application of topcoat paint.



### CONSIDERATIONS FOR APPLICATION

- Before used, the product must be stirred in its container until becoming homogeneous.
- The surface where Putty SN would be applied must be clean, dry and dust-free.
- Application should be performed in accordance with the specified application characteristics.
- Surface and ambient temperatures during applications should be not below +5 °C and above +35 °C. Otherwise, you may encounter surface problem.
- It is directly applied without dilution.
- The top-coat painting could be started minimum 3 hours later depending on the thickness of putty application.
- Thick applications must be avoided in one coat. Otherwise, there could be cracks
- As the precise paint consumption may vary change depending on the surface, it should be determined by test paintwork on the surface to be painted.
- Low ambient and surface temperatures should be increased drying time.

### CLEANING THE APPLICATION TOOLS

Application tools should be cleaned with water immediately after use.

### CHARACTERISTICS RELATED TO ENVIRONMENT AND HUMAN HEALTH

- It does not contain CIT/MIT.
- It does not contain carbendazim and derivatives.
- It does not contain ethylene-glycol and derivatives.

### STORAGE CONDITIONS

The product could be stored at least for 1 year on condition that it is unopened and stored in original container in a protected place not below 0 °C and above +35 °C, not exposed to direct sunlight.

### OTHER WARNINGS

Hazardous dust and/or smoke may occur during operations such as sanding and burning on the painted surface. Wet sanding should be used wherever possible. Work in well-ventilated spaces. If required, use proper personal protective equipment. Safety Data Sheet is available you request any further information.

## SN WOOD PUTTY



WATER-BASED

### PRODUCT RELEASE

Packaging **0,125KG - 0,5 KGG - 0,85 KGG - 3 KGG - 20 KG.**

Colour **Opaque White**

### CHARACTERISTICS

It is glue that based on polyvinyl acetate (PVAc) which is comprising filler, having high adhesive characteristics. It is preferred as general-purpose wood adhesive thanks to its easy to use and good adhesion strength.

### TECHNICAL CHARACTERISTICS OF THE PRODUCT

Appearance	Mat
Chemical structure	Vinyl acetate homopolymer
MFFT	+3 °C
Ph	6-7,5
Permanent material (by weight)	%55-%57
Density (20 °C) g/cm <sup>3</sup>	1,14-1,18
Adhesion strength, Kg/cm <sup>2</sup> –(as per TS 3891)	Min. 90
Viscosity, 25 °C, cp- Brookfield Visc.,RVT, 20rpm)	12.000-20.000
Freeze-thaw resistance (-15 °C / +30 °C, 3 cycles)	Suitable
Covering power (theoretical)	4-6 m <sup>2</sup> /L in one coat

### APPLICATION

**Dilution medium:** It is directly applied without dilution. It can be diluted with water if necessary.

### CONSIDERATIONS FOR APPLICATION

- Before used, the product must be stirred in its container until becoming homogeneous.
- Drying time, adhesion strength based on the MFFT. Make sure that the product is not applied below the degree indicated by MFFT. Generally, can be obtained more good results in applications above +4 °C.
- The application surface should be clean and dry.
- Drying times varies according to the type of bonded materials, the rate of glue used, the humidity and temperature of ambient.
- It is directly applied without dilution.
- Comply with the storage conditions for the product. Otherwise, roughs can be occurred that could not be removed by stirring in the product.
- As the precise paint consumption may vary change depending on the surface, it should be determined by test paintwork on the surface to be painted.



#### CLEANING THE APPLICATION TOOLS

Application tools should be cleaned with water immediately after use.

#### CHARACTERISTICS RELATED TO ENVIRONMENT AND HUMAN HEALTH

- It does not contain CIT/MIT.
- It does not contain carbendazim and derivatives.
- It does not contain ethylene-glycol and derivatives.

#### STORAGE CONDITIONS

The product can be stored at least for 1 year in its original container (stainless steel or plastic container, barrel, bucket, etc), protected places from freezing, between 0oC and +40oC, not exposed to direct sunlight.

#### OTHER WARNINGS

Hazardous dust and/or smoke may occur during operations such as sanding and burning on the painted surface. Wet sanding should be used wherever possible. Work in well-ventilated spaces. If required, use proper personal protective equipment. Safety Data Sheet is available for any further information if requested.



# DİREKT PAS ÜSTÜNE SÜRÜN BİTSİN!



## HAMMERITE METAL PAINTS TECHNICAL BULLETIN CATALOGUE



AkzoNobel

# HAMMERITE METAL PAINTS

- SMOOTH METAL PAINT
- HAMMERED METAL PAINT
- FORGED METAL PAINT
- SMOOTH METAL SPRAY PAINT
- HAMMERED METAL SPRAY PAINT
- BRUSH CLEANER & THINNER



The information contained in this Technical Bulletin has been prepared based on laboratory data. Technical support is recommended for information not contained in this bulletin. Manufacturer shall not be liable for any defect that may arise due to lack of information in applications to be made without obtaining support from Technical Support or Technical Bulletin Catalogue. Our firm reserves the right to change this information.

# SMOOTH METAL PAINT



## PRODUCT RELEASE

Packaging 0,25 L - 0,75 L - 2,5 L

Color See Color Chart of Hammerite.

## FIELDS OF USE

It is used as a corrosion resistant and decorative coating for ferrous and non-ferrous metals, certain plastics and wood.

## CHARACTERISTICS

It is synthetic resin-based and is properly pigmented against adverse weathers. It is fast drying and allows multi-coat application. The specially selected resins impart a gloss finish which resists against dirt pick up. Hammerite has excellent wetting properties making it tolerant to poorly prepared metal surfaces.

## TECHNICAL SPECIFICATIONS OF THE PRODUCT

Appearance	Smooth gloss
Complete drying	2 hours. High relative humidity and low temperature can be increase drying time.
Recommended application coat	Minimum 2 coats
Waited time between the coats	4 hours. High relative humidity and low temperature can be increase drying time.
Recommended dry film thickness	Wet: 200 micron Dry: 100 micron The number of coats required to achieve this will vary depending on surface and method of application.
Viscosity	5.0 poise - 8.0 poise at 25 °C (ICI cone and plate viscometer) depending on colour.
Density	0.96 - 1.10 g/ml at 20 °C depending on colour.
VOC:	EU Category A 500 g/L (2010)
Covering Capacity (theoretical)	5 m <sup>2</sup> /L for 2 coats at recommended dry film thickness by brush.

## SURFACE PREPARATION

**BARE METAL SURFACES:** Oil is cleaned from the surface with Hammerite Brush Cleaner

**PAINTED METAL SURFACES:** Sanding the painted surfaces to remove contaminants and gloss. Wash the surface with detergent. Rinse with clean water and allow to dry. Test for compatibility with existing paint by painting a small test area. Non-compatibility problems will be evident the one hour after application.

**SHINY, SMOOTH METAL SURFACES:** Sanding the surface to ensure maximum adhesion. Degrease with Hammerite Brush Cleaner and Thinners. Wash the surface with detergent and degreasing agent. Rinse with clean water and allow to dry.

**RUSTED METAL SURFACES:** It is recommended sanding with abrasive blasting to meet the St 2 (Swedish Standard SIS 05 59 00). All surfaces must be dry and free from loose rust, dirt, dust, grease and salt.

**UNPAINTED GALVANISED/ALUMINIUM/ALLOY METAL SURFACES:** To ensure maximum adhesion on aluminium and alloy surfaces use Hammerite Brush Cleaner and Thinners. The surfaces are removed from grease, salt and rinse with clean water and allow to dry. On pitted and damaged surfaces, it will benefit for adhesive the surface cleaning before using of Hammerite paint.

**PLASTICS:** Hammerite may be applied on PVC.

**WOOD:** Bare wood: Apply Hammerite after a water-based wood primer. Painted wood: Sanded the painted surfaces to remove contaminants and gloss. - Wash the surface with detergent. - Rinse with clean water and allow to dry.

## APPLICATION

**Application Conditions:** Minimum application temperature: + 3 °C above dew point.

**Ideal application temperature:** 8 °C - 30 °C

**Maximum relative humidity:** 85%

**Recommended application tools:** Brush, roller, Air spray, Airless spray

**Application Informations: Brush:** Suitable for small areas. Stir before use. Apply in 2 coats on the bare or rusted metal to achieve the corrosion resistance. Don't apply excess paint on the surface to prevent sagging in the coat applications. Ensure edges and corners are properly covered, these are at greatest risk of early rusting. **Roller:** Suitable for larger flat areas. Hammerite released on the market ready for use. Hammerite paint can be diluted to ease roller applications. 9 parts Hammerite paint dilutable with 1 part Brush Cleaner or Synthetic Thinner. The edges should be painted in first and then other areas painted quickly. For optimum result, apply by short and quick strokes. Hammerite smooth paint's gold, silver and copper colours contains silicone.

**Air Spray:** Dilute Hammerite with 15% Hammerite Brush Cleaner and Thinner. Set the spray gun to between 25/35 psi (about 2 Bar). Wait 1 hour between coats and apply in 3-4 thin coats. For glossy finish at the topcoat may apply in one thick coat, however, it should take care against runs and sags.

**Airless spray:** If necessary, Dilute Hammerite can be diluted with 15% Hammerite Brush Cleaner and Thinners. Nozzle pressure: 2500-3000 psi (about 170 Bar). **Nozzle size:** 375-500 microns/0.015 - 0.020. Allow 1 hour between the coats or apply 2-3 coats after touch dry is completion. For Air spray and Airless spray: Shake the spray gun before and during the use to ensure an equal colour. For optimum result, use only Hammerite Brush Cleaner and Thinner.



# HAMMERED METAL PAINT



## CLEANING THE APPLICATION TOOLS

It is cleaned with Hammerite Brush Cleaner.

## CHARACTERISTICS RELATED TO ENVIRONMENT AND HUMAN HEALTH

- It does not contain CIT/MIT.
- It does not contain carbendazim and derivatives.
- It does not contain ethylene-glycol and derivatives.

## STORAGE CONDITIONS

Storage conditions and shelf life are minimum 2 years. It is stored +20 °C in original unopened containers.

## OTHER INFORMATION

**Containers:** Hammerite paint should be stored in a dry and well ventilated place. Protect from extremes of temperature and frost. Limitations & Non-Conforming

**Conditions:** Not suitable for use at 150 °C or above temperature. Not suitable for use in contact with drinking water or foodstuffs. Not suitable for permanent immersion.

**Impact Resistance:** Passes 15cm (surface) BS3900, E7 falling ball 15"/lb-7 days-test at the 10 microns dry film thickness.

**Temperature Resistance:** May used at range of 20 °C - 150 °C after fully dried. As continuous is 80 °C. Colours may fade after prolonged exposure at temperatures exceeding 50 °C.

## PRODUCT RELEASE

Packaging **0,25 L - 0,75 L - 2,5 L**

Color See Color Chart of Hammerite.

## FIELDS OF USE

It is used as a corrosion resistant and decorative coating for ferrous and non-ferrous metals, certain plastics and wood.

## CHARACTERISTICS

It is synthetic resin-based and is suitably pigmented against adverse weathers. It is fast drying and allow to multi-coat application. The specially selected resins, impart a gloss finish which resists against dirt pick up. Hammerite has excellent wetting properties making it tolerant to poorly prepared ferrous surfaces.

## TECHNICAL SPECIFICATIONS OF THE PRODUCT

Appearance	Gloss with hammered pattern Note: Pattern will vary depending on temperature, colour, substrate and application method.
Complete drying	2 hours -High relative humidity and low temperature can be increase drying time.
Recommended application coat	Minimum 2 coats
Waited time between the coats	4 hours. High relative humidity and low temperature can be increase drying time.
Recommended dry film thickness	Wet: 200 micron Dry: 100 micron The number of coats required to achieve this will vary depending on surface and method of application.
Viscosity	5.0 poise - 8.0 poise at 25 °C (ICI cone and plate viscometer) depending on colour.
Density	0.96 - 1.10 g/ml at 20 °C depending on colour.
VOC:	EU Category A 500 g/L (2010)
Covering Capacity (theoretical)	5 m <sup>2</sup> /L for 2 coats at recommended dry film thickness by brush.

## SURFACE PREPARATION

**BARE METAL SURFACES:** Oil is cleaned from the surface with Hammerite Brush Cleaner

**PAINTED METAL SURFACES:** Sanding the painted surfaces to remove contaminants and gloss. Wash the surface with detergent. Rinse with clean water and allow to dry. Test for compatibility with existing paint by painting a small test area. Non-compatibility problems will be evident the one hour after application.

**SHINY, SMOOTH METAL SURFACES:** Sanding the surface to ensure maximum adhesion. Degrease with Hammerite Brush Cleaner and Thinners. Wash the surface with detergent and degreasing agent. Rinse with clean water and allow to dry.

**RUSTED METAL SURFACES:** It is recommended sanding with abrasive blasting to meet the St 2 (Swedish Standard SIS 05 59 00). All surfaces must be dry and free from loose rust, dirt, dust, grease and salt.

**UNPAINTED GALVANISED/ALUMINIUM/ALLOY METAL SURFACES:** To ensure maximum adhesion on aluminium and alloy surfaces use Hammerite Brush Cleaner and Thinners. The surfaces are removed from grease, salt and rinse with clean water and allow to dry. On pitted and damages surfaces, it will benefit for adhesive the surface cleaning before using of Hammerite paint.

**PLASTICS:** Hammerite may be applied on PVC.

**WOOD:** Bare wood: Apply Hammerite after a water-based wood primer. Painted wood: Sanded the painted surfaces to remove contaminants and gloss. – Wash the surface with detergent. - Rinse with clean water and allow to dry.

## APPLICATION

**Application Conditions:** Minimum application temperature: + 3 °C above dew point.

**Ideal application temperature:** 8 °C - 30 °C

**Maximum relative humidity:** 85%

**Recommended application tools:** Brush, roller, Air spray, Airless spray

**Application Informations: Brush:** Suitable for small areas. Stir before use. Apply in 2 coats on the bare or rusted metal to achieve the corrosion resistance. Don't apply excess paint on the surface to prevent sagging in the coat applications. Ensure edges and corners are properly covered, these are at greatest risk of early rusting. **Roller:** Suitable for larger flat areas. Hammerite released on the market ready for use. Hammerite paint can be diluted to ease roller applications. 9 parts Hammerite paint dilutable with 1 part Brush Cleaner or Synthetic Thinner. The edges should be painted in first and then other areas painted quickly. For optimum result, apply by short and quick strokes. **Spray:** Suitable for large areas. Hammerite Hammered paint's all colours contains silicone. **Air Spray:** Dilute Hammerite with 15% Hammerite Brush Cleaner and Thinner. Set the spray gun to between 25/35 psi (about 2 Bar). Wait 1 hour between coats and apply in 3-4 thin coats. For glossy finish at the topcoat may apply in one thick coat, however, it should take care against runs and sags.

**Airless spray:** If necessary, Dilute Hammerite can be diluted with 15% Hammerite Brush Cleaner and Thinners. Nozzle pressure: 2500-3000 psi (about 170 Bar). **Nozzle size:** 375-500 microns/0.015 - 0.020. Allow 1 hour between the coats or apply 2-3 coats after touch dry is completion. For Air spray and Airless spray: Shake the spray gun before and during the use to ensure an equal colour. For optimum result, use only Hammerite Brush Cleaner and Thinner.



# HAMMERED METAL PAINT



SOLVENT-BASED

## PRODUCT RELEASE

Packaging 0,75 L

Color See Color Chart of Hammerite.

## FIELDS OF USE

It is used as a corrosion resistant and decorative coating for ferrous and non-ferrous metals, certain plastics and wood.

## CHARACTERISTICS

It is synthetic resin-based and is suitably pigmented against adverse weathers. It is fast drying and allow to multi-coat application. The specially selected resins, impart a gloss finish which resists against dirt pick up. Hammerite has excellent wetting properties making it tolerant to poorly prepared ferrous surfaces.

## TECHNICAL SPECIFICATIONS OF THE PRODUCT

Appearance	Forged: Textured top coat
Complete drying	2 hours. Varies depending on the high relative humidity and low temperature.
Recommended application coat	Minimum 2 coats
Dryig time between coats	4 hours. Varies depending on the high relative humidity and low temperature
Recommended dry film thickness	Wet: 200 micron Dry: 100 micron The number of coats required to achieve this will vary depending on surface and method of application.
Viscosity	5.5 poise - 8.0 poise at 25 °C (ICI cone and plate viscometer) depending on colour.
Density	0.96 - 1.10 g/ml at 20 °C depending on colour.
VOC:	EU Category A 500 g/L (2010)
Covering Capacity (theoretical)	5 m <sup>2</sup> /L for 2 coats at recommended dry film thickness by brush.

## SURFACE PREPARATION

**BARE METAL SURFACES:** Oil is cleaned from the surface with Hammerite Brush Cleaner

**PAINTED METAL SURFACES:** Sanding the painted surfaces to remove contaminants and gloss. Wash the surface with detergent. Rinse with clean water and allow to dry. Test for compatibility with existing paint by painting a small test area. Non-compatibility problems will be evident the one hour after application.

**SHINY, SMOOTH METAL SURFACES:** Sanding the surface to ensure maximum adhesion. Degrease with Hammerite Brush Cleaner and Thinners. Wash the surface with detergent and degreasing agent. Rinse with clean water and allow to dry.

**RUSTED METAL SURFACES:** It is recommended sanding with abrasive blasting to meet the St 2 (Swedish Standard SIS 05 59 00). All surfaces must be dry and free from loose rust, dirt, dust, grease and salt.

**UNPAINTED GALVANISED/ALUMINIUM/ALLOY METAL SURFACES:** To ensure maximum adhesion on aluminium and alloy surfaces use Hammerite Brush Cleaner and Thinners. The surfaces are removed from grease, salt and rinse with clean water and allow to dry. On pitted and damages surfaces, it will benefit for adhesive the surface cleaning before using of Hammerite paint.

**PLASTICS:** Hammerite may be applied on PVC.

**WOOD:** Bare wood: Apply Hammerite after a water-based wood primer. Painted wood: Sanded the painted surfaces to remove contaminants and gloss. – Wash the surface with detergent. - Rinse with clean water and allow to dry.

## APPLICATION

**Application Conditions:** Minimum application temperature: + 3 °C above dew point.

**Ideal application temperature:** 8 °C - 30 °C

**Maximum relative humidity:** 85%

**Recommended application tools:** Brush, roller, Air paint spray, Airless paint spray

**Application Informations: Brush:** Suitable for small areas. Stir before use. At 2 coats is applied on the bare or rusted metal to achieve the corrosion resistance. Don't apply excess paint on the surface to prevent sagging in the coat applications. Ensure edges and corners are properly covered, these are at greatest risk of premature rusting. **Roller:** Suitable for larger flat areas. Hammerite is designed to be ready for use. Hammerite paint can be diluted to ease roller applications. 9 parts Hammerite paint dilutable with 1 part Brush Cleaner or Synthetic Thinner. The edges should be painted in first and then other areas painted quickly. For optimum result, apply by short and quick strokes. **Spray:** Suitable for large areas. Hammerite Smooth paint's gold, silver and copper colours contains silicone. **Air Spray:** Dilute Hammerite with 15% Hammerite Brush Cleaner and Thinners. Set the spray gun to between 25/35 psi (about 2 Bar). Wait 1 hour between coats and apply in 3-4 thin coats. For glossy finish at the topcoat may apply in one thick coat, however, it should take care against runs and sags. **Airless spray:** If necessary, Dilute Hammerite with 15% Hammerite Brush Cleaner and Thinners. Nozzle pressure: 2500-3000 psi (about 170 Bar). **Nozzle size:** 375-500 microns/0.015 - 0.020. Allow 1 hour between the coats or apply 2-3 coats after touch dry is completion.

## CLEANING THE APPLICATION TOOLS

It is cleaned with Hammerite Brush Cleaner.

## CHARACTERISTICS RELATED TO ENVIRONMENT AND HUMAN HEALTH

- It does not contain CIT/MIT.
- It does not contain carbendazim and derivatives.
- It does not contain ethylene-glycol and derivatives.

## STORAGE CONDITIONS

Storage conditions and shelf life are minimum 2 years. It is stored +20 °C in original unopened containers.

## OTHER INFORMATION

**Containers:** Hammerite paint should be stored in a dry and well ventilated place. Protect from extremes of temperature and frost. Limitations & Non-Conforming

**Conditions:** Not suitable for use at 150 °C or above temperature. Not suitable for use in contact with drinking water or foodstuffs. Not suitable for permanent immersion.

**Impact Resistance:** Passes 15cm (surface) BS3900, E7 falling ball 15"/lb-7 days-test at the 10 microns dry film thickness.

**Temperature Resistance:** May used at range of 20 °C - 150 °C after fully dried. As continuous is 80 °C. Colours may fade after prolonged exposure at temperatures exceeding 50 °C.



# SMOOTH METAL SPRAY PAINT

## PRODUCT RELEASE

Packaging **0,4 L**

Color See Color Chart of Hammerite.

## FIELDS OF USE

It is used as a corrosion resistant and decorative coating for ferrous and non-ferrous metals, certain plastics and wood.

## CHARACTERISTICS

It is synthetic resin-based and is suitably pigmented against adverse weathers. It is fast drying and allow to multi-coat application. The specially selected resins, impart a gloss finish which resists against dirt pick up. Hammerite has excellent wetting properties making it tolerant to poorly prepared ferrous surfaces.

## TECHNICAL SPECIFICATIONS OF THE PRODUCT

Appearance	Smooth gloss
Complete drying	15 minute. Varies depending on the high relatively humidity and low temperature.
Recommended application coat	Minimum 2 coats
VOC	EU Category A 500 g/L (2010)
Covering Capacity (theoretical)	0,5 m <sup>2</sup> for 400 ml

## SURFACE PREPARATION

**BARE METAL SURFACES:** Oil is cleaned from the surface with Hammerite Brush Cleaner

**PAINTED METAL SURFACES:** Sanding the painted surfaces to remove contaminants and gloss. Wash the surface with detergent. Rinse with clean water and allow to dry. Test for compatibility with existing paint by painting a small test area. Non-compatibility problems will be evident the one hour after application.

**SHINY, SMOOTH METAL SURFACES:** Sanding the surface to ensure maximum adhesion. Degrease with Hammerite Brush Cleaner and Thinners. Wash the surface with detergent and degreasing agent. Rinse with clean water and allow to dry.

**RUSTED METAL SURFACES:** It is recommended sanding with abrasive blasting to meet the St 2 (Swedish Standard SIS 05 59 00). All surfaces must be dry and free from loose rust, dirt, dust, grease and salt.

**UNPAINTED GALVANISED/ALUMINIUM/ALLOY METAL SURFACES:** To ensure maximum adhesion on aluminium and alloy surfaces use Hammerite Brush Cleaner and Thinners. The surfaces are removed from grease, salt and rinse with clean water and allow to dry. On pitted and damages surfaces, it will benefit for adhesive the surface cleaning before using of Hammerite paint.

**PLASTICS:** Hammerite may be applied on PVC.

**WOOD:** Bare wood: Apply Hammerite after a water-based wood primer. Painted wood: Sanded the painted surfaces to remove contaminants and gloss. – Wash the surface with detergent. - Rinse with clean water and allow to dry.

## APPLICATION

**Application Conditions:** Minimum application temperature: + 3 °C above dew point.

**Ideal application temperature:** 8 °C - 30 °C

**Maximum relative humidity:** 85%

**Recommended application tools:** Brush, roller, Air paint spray, Airless paint spray

**Application Informations: Aerosol:** Suitable for touch up and small applications. Store aerosol at room temperature for two hours prior to use. Shake the container as vertical for 3 minutes after the agitator ball is heard. Apply coats from a distance of 15 cms (6"). To avoid runs and sags keep the aerosol moving. Do not concentrate the spray in any one spot. In several thin coats are recommended, particularly on intricate and vertical surfaces. Allow approximately 15 minutes between coats. To avoid blockages, invert can and spray for 2 seconds between coats and before final use.

## APPLICATION

**For Air spray and Airless spray:** Shake the spray gun before and during the use to ensure an equal colour. For optimum result, use only Hammerite Brush Cleaner and Thinner.

## CLEANING THE APPLICATION TOOLS

It is cleaned with Hammerite Brush Cleaner.

## CHARACTERISTICS RELATED TO ENVIRONMENT AND HUMAN HEALTH

- It does not contain CIT/MIT.
- It does not contain carbendazim and derivatives.
- It does not contain ethylene-glycol and derivatives.

## STORAGE CONDITIONS

Storage conditions and shelf life are minimum 2 years. It is stored +20 °C in original unopened containers.

## OTHER INFORMATION

**Containers:** Hammerite paint should be stored in a dry and well ventilated place. Protect from extremes of temperature and frost. Limitations & Non-Conforming

**Conditions:** Not suitable for use at 150 °C or above temperature. Not suitable for use in contact with drinking water or foodstuffs. Not suitable for permanent immersion.

**Impact Resistance:** Passes 15cm (surface) BS3900, E7 falling ball 15"/lb-7 days-test at the 10 microns dry film thickness.

**Temperature Resistance:** May used at range of 20 °C - 150 °C after fully dried. As continuous is 80 °C. Colours may fade after prolonged exposure at temperatures exceeding 50 °C.



# HAMMERED METAL SPRAY PAINT

## PRODUCT RELEASE

Packaging **0,4 L**

Color See Color Chart of Hammerite.

## FIELDS OF USE

It is used as a corrosion resistant and decorative coating for ferrous and non-ferrous metals, certain plastics and wood.

## CHARACTERISTICS

It is synthetic resin-based and is suitably pigmented against adverse weathers. It is fast drying and allow to multi-coat application. The specially selected resins, impart a gloss finish which resists against dirt pick up. Hammerite has excellent wetting properties making it tolerant to poorly prepared ferrous surfaces.

## TECHNICAL SPECIFICATIONS OF THE PRODUCT

Appearance	Gloss with hammered pattern Pattern will vary depending on temperature, colour, substrate and method of application.
Complete drying	15 minute. Varies depending on the high relatively humidity and low temperature.
Recommended application coat	Minimum 2 coats
VOC	EU Category A Max. 500 g/l (2010)
Covering Capacity (theoretical)	0,5 m <sup>2</sup> for 400 ml

## SURFACE PREPARATION

**BARE METAL SURFACES:** Oil is cleaned from the surface with Hammerite Brush Cleaner

**PAINTED METAL SURFACES:** Sanding the painted surfaces to remove contaminants and gloss. Wash the surface with detergent. Rinse with clean water and allow to dry. Test for compatibility with existing paint by painting a small test area. Non-compatibility problems will be evident the one hour after application.

**SHINY, SMOOTH METAL SURFACES:** Sanding the surface to ensure maximum adhesion. Degrease with Hammerite Brush Cleaner and Thinners. Wash the surface with detergent and degreasing agent. Rinse with clean water and allow to dry.

**RUSTED METAL SURFACES:** It is recommended sanding with abrasive blasting to meet the St 2 (Swedish Standard SIS 05 59 00). All surfaces must be dry and free from loose rust, dirt, dust, grease and salt.

**UNPAINTED GALVANISED/ALUMINIUM/ALLOY METAL SURFACES:** To ensure maximum adhesion on aluminium and alloy surfaces use Hammerite Brush Cleaner and Thinners. The surfaces are removed from grease, salt and rinse with clean water and allow to dry. On pitted and damages surfaces, it will benefit for adhesive the surface cleaning before using of Hammerite paint.

**PLASTICS:** Hammerite may be applied on PVC.

**WOOD:** Bare wood: Apply Hammerite after a water-based wood primer. Painted wood: Sanded the painted surfaces to remove contaminants and gloss. – Wash the surface with detergent. - Rinse with clean water and allow to dry.

## APPLICATION

**Application Conditions:** Minimum application temperature: + 3 °C above dew point.

**Ideal application temperature:** 8 °C - 30 °C

**Maximum relative humidity:** 85%

**Recommended application tools:** Brush, roller, Air paint spray, Airless paint spray

**Application Informations: Aerosol:** Suitable for touch up and small applications. Store aerosol at room temperature for two hours prior to use. Shake the container as vertical for 3 minutes after the agitator ball is heard. Apply coats from a distance of 15 cms (6"). To avoid runs and sags keep the aerosol moving. Do not concentrate the spray in any one spot. In several thin coats are recommended, particularly on intricate and vertical surfaces. Allow approximately 15 minutes between coats. To avoid blockages, invert can and spray for 2 seconds between coats and before final use.

## CLEANING THE APPLICATION TOOLS

It is cleaned with Hammerite Brush Cleaner.

## CHARACTERISTICS RELATED TO ENVIRONMENT AND HUMAN HEALTH

- It does not contain CIT/MIT.
- It does not contain carbendazim and derivatives.
- It does not contain ethylene-glycol and derivatives.

## STORAGE CONDITIONS

Storage conditions and shelf life are minimum 2 years. It is stored +20 °C in original unopened containers.

## OTHER INFORMATION

**Aerosol:** Pressured Container- Pressured Aerosol Container -protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn even after use. Do not spray on naked flame or on any material in incandescent. Keep away from sources of ignition. No smoking. Keep out of reach of children.

**Limitations & Non-Conforming Conditions:** Not to be used at temperatures of 150 °C or above. Not suitable for use in contact with drinking water or foodstuffs. Not suitable for permanent immersion.

**Impact Resistance:** Passes 15cm (surface) BS3900, E7 falling ball 15"/lb-7 days-test at the 10 microns dry film thickness.

**Temperature Resistance:** May used at range of +20 °C - +150 °C after fully dried. As continuous is 80 °C. Colours may fade after prolonged exposure at temperatures exceeding 50 °C.

**Chemical Resistance:** Resists splashing by dilute acids/alkalis (10% max), petrol, diesel and all building materials after fully dried.

**Corrosion Resistance:** Passes 1600hours (8-year equivalent) ASTM B117 1973 at the 100 microns dry film thickness ASTM D609, Type2 A366 steel panels.



## BRUSH CLEANER & THINNER



SOLVENT-BASED

### CLEANING THE APPLICATION TOOLS

It is cleaned with Hammerite Brush Cleaner.

### CHARACTERISTICS RELATED TO ENVIRONMENT AND HUMAN HEALTH

- It does not contain CIT/MIT.
- It does not contain carbendazim and derivatives.
- It does not contain ethylene-glycol and derivatives.

### STORAGE CONDITIONS

Storage conditions and shelf life are minimum 2 years. It is stored +20 °C in original unopened containers.

### OTHER INFORMATION

**Aerosol:** Pressured Container- Pressured Aerosol Container -protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn even after use. Do not spray on naked flame or on any material in incandescent. Keep away from sources of ignition. No smoking. Keep out of reach of children. Limitations & Non-Conforming Conditions: Not to be used at temperatures of 150 °C or above. Not suitable for use in contact with drinking water or foodstuffs. Not suitable for permanent immersion. Impact Resistance: Passes 15cm (surface) BS3900, E7 falling ball 15"/lb-7 days test at the 10 microns dry film thickness. Temperature Resistance: May used at range of 20 °C - 150 °C when fully dried. As continuous is 80 °C. Colours may fade after prolonged exposure at temperatures exceeding 50 °C.

### PRODUCT RELEASE

Packaging 0,5 L - 1 L

### FIELDS OF USE

Hammerite Brush Cleaner & Thinner is a solvent based for diluting and thinning the unique Hammerite Metal Paint formulation and cleaning the application equipment.

### TECHNICAL SPECIFICATIONS OF THE PRODUCT

Görünüm	Clear liquid
Özgül Ağırlık	0.7 - 0.9 g/cm <sup>3</sup> at 20 °C

### CHARACTERISTICS RELATED TO ENVIRONMENT AND HUMAN HEALTH

- It does not contain CIT/MIT.
- It does not contain carbendazim and derivatives.
- It does not contain ethylene-glycol and derivatives.



# ÜSTÜN MANTOLAMA DÖRT MEVSİM KORUMA!

## STORAGE CONDITIONS

Teneke kutular orijinal açılmamış ambalajında 20 °C'de (7 °F) en az 2 yıl muhafaza edilebilir. İyi havalandırılan bir yerde muhafaza edilmelidir. Aşırı ısı derecelerinden (don ve güneş ışığı) koruyun.

## OTHER INFORMATION

Based on our knowledge and belief, the information in this technical data sheet is correct at the issue date. It is the user's responsibility to be fully aware of the advices provided for specific uses of the Product and/or Hammerite Metal Paint.



10 yıl  
sistem  
garantisi

%50'ye  
varan  
tasarruf

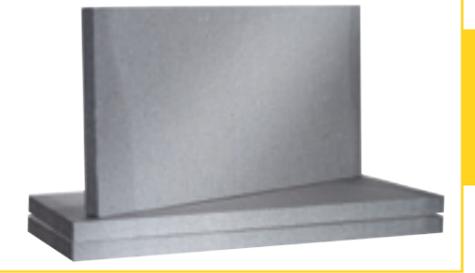
## THERMO'S THERMA INSULATION SYSTEM

- NEOPOR THERMAL INSULATION BOARD
- DS EXTRA DECORATIVE COVERING
- CARBON THERMAL INSULATION BOARD
- DS EXTRA THIN DECORATIVE COATING
- CARBONEX THERMAL INSULATION BOARD
- LY THERMAL INSULATION BOARD ADHESIVE
- EPS THERMAL INSULATION BOARD
- FS THERMAL INSULATION PLASTER
- XPS THERMAL INSULATION BOARD
- DS DECORATIVE COVERING
- ROCKWOLL THERMAL INSULATION BOARDS
- AS DECORATIVE COVERING PRIMER
- LY EXTRA THERMAL INSULATION
- GW 160 REINFORCED MESH
- THERMAL INSULATION SYSTEM DOWELS



Bu teknik bültende yer alan bilgiler Marshall Boya ve Vernik San. A.Ş. tarafından hazırlanmıştır. Burada yer almayan bilgiler için teknik destek alınması önerilir. Teknik Bülten ya da teknik destek alınmadan yapılacak uygulamalarda bilgi eksikliği sebebiyle ortaya çıkabilecek hatalardan Marshall Boya ve Vernik San. A.Ş. sorumlu değildir. Bu bilgilerin değiştirilme hakkı Marshall Boya ve Vernik San. A.Ş. de saklıdır.

## NEOPOR® THERMAL INSULATION BOARD



### DEFINITION

Marshall Thermo's EPS Thermal insulation Boards are made of expanded polystyrene and are manufactured in accordance with TS EN 13163 Thermal Insulation Products - Fabricated - Expanded Polystyrene (EPS) Standards for Buildings.

### GENERAL CHARACTERISTICS

1. It does not contain chlorofluorocarbon derivatives such as CFC, HCFC and HFC gases, which will pollute the environment and harm to the ozone layer. It is %100 recycled material. Insulation property doesn't change over time, its lifespan is infinite. Easy to apply and very light. It is a reasonable cost and economic thermal insulation material.
2. It has very porous. Its thickness doesn't change over time.
3. Marshall Thermo's EPS thermal insulation board shows high resistance to short and long term mechanical loads which may occur in buildings. It prevents the formation of plaster, paint a coating cracks caused by shrinkage and working of walls. Protects the building elements from corrosion. Extends the service life of buildings.
4. It is rested in block to reach perfect dimensional stability by completing its expansion and shrinkage in its structure.
5. EPS Boards are manufactured as satisfying minimum requirements in the composite systems (ETICS) standards for expanded polystyrene based exterior thermal insulation which is for TS EN 13499 thermal insulation material buildings and in accordance with TS EN 13163.

### MARSHALL THERMO'S NEOPOR® EXTERIOR THERMAL INSULATION BOARD

	60	80	Unit	Class	Related Standard
EPS Class	60	80			TS EN 13163
Thermal Conductivity Group	035				
Thermal Conductivity Coefficient ( $\lambda$ )	0,032	0,031	w/mK		TS EN 12667/TS EN 12939
Strength perpendicular to the Surface	$\geq 100$	$\geq 120$	kPa	TR100 TR120	EN 1607
Compressive Strength at 10% Deformation	$\geq 60$	$\geq 80$	kPa	CS(10)60 CS(10)80	TS EN 826
Length Tolerance	$\pm 2$		mm	L2	TS EN 822
Width Tolerance	$\pm 2$		mm	W2	TS EN 822
ThickTolerance	$\pm 1$		mm	T1	TS EN 823
Squareness Tolerance	$\pm 2$		mm	S 2	TS EN 824
Flatness Tolerance	$\pm 5$		mm	P5	TS EN 825
Dimensional Stability	$\pm \%0,2$			DS(N)2	TS EN 1603
Long term water absorption by partial immersion	$\leq \%5$			WL(T)5	TS EN 12087
Application temperature	-50/+75		°C		
Water Vapour Permeability	20-40				TS EN 12087
Fire Class*	E			E	TS EN 13501-1
Dimensions	50/100		cm		
Thickness**	2, 3, 4, 5, 6, 7, 8, 9, 10		cm		

\*E: It can resist to a small flame attack without substantial flame spreading for a short period.

\*\* 2,3,4 cm thick plates is suitable for door and window centres

### CONSIDERATIONS

- It should be packaged as taking air with an opaque/non-transparent packaging material.
- It should not be exposed to direct sunlight when it is packaged or non-packaged.
- It should be stored in a cool, well ventilated ambient and away from heat sources (blowtorch, torch, welding, car exhaust etc.)
- It should be stored separately from solvent-containing materials such as thinner.
- There shall be no materials such as water drops, glass pieces, pet bottles, transparent plastic and good heat conductors (construction iron, iron profile, etc.) that can act like a lens / magnifying glass on and around the packaging.
- Stacking should be performed properly and stacks should be arranged so the air circulates between the packages.
- Do not have any shelf life, provided that it is stored under the suitable conditions.



## CARBON THERMAL INSULATION BOARD



### DEFINITION

Marshall Thermo's EPS Thermal Insulation Boards are made of expanded polystyrene and are manufactured in accordance with TS EN 13163 Thermal Insulation Products - Fabricated - Expanded Polystyrene (EPS) Standards for Buildings.

### GENERAL CHARACTERISTICS

1. It does not contain chlorofluorocarbon derivatives such as CFC, HCFC and HFC gases which will pollute the environment and harm to the ozone layer. It is %100 recycled material. Insulation property doesn't change overtime, its lifespan is infinite. Easy to apply and very light. It is a reasonable cost and economic thermal insulation material.
2. It is closed-cell. Its thickness doesn't change over time.
3. Marshall Thermo's Carbon (EPS) Thermal Insulation Board shows high resistance to short and long term mechanical loads which may occur in buildings. It prevents the formation of plaster, paint a coating cracks caused by shrinkage and working of walls. Protects the building elements from corrosion. Extends the service life of buildings.
4. It is rested in block to reach perfect dimensional stability by completing its expansion and shrinkage in its structure.
5. EPS plates are manufactured as satisfying minimum requirements in the composite systems (ETICS) standards for expanded polystyrene based exterior thermal insulation which is for TS EN 13499 thermal insulation material buildings and in accordance with TS EN 13163.

### MARSHALL THERMO'S CARBON THERMAL INSULATION BOARD

	Unit		Class		Related Standard
EPS Class	60	80			TS EN 13163
Thermal Conductivity Group	035				
Thermal Conductivity Coefficient( $\lambda$ )	0,032	0,031	w/mK		TS EN 12667/TS EN 12939
Strength perpendicular to the Surface	$\geq 100$	$\geq 120$	kPa	TR100 TR120	EN 1607
Compressive Strength at 10% Deformation	$\geq 60$	$\geq 80$	kPa	CS(10)60 CS(10)80	TS EN 826
Length Tolerance	$\pm 2$		mm	L2	TS EN 822
Width Tolerance	$\pm 2$		mm	W2	TS EN 822
ThickTolerance	$\pm 1$		mm	T1	TS EN 823
Squareness Tolerance	$\pm 2$		mm	S2	TS EN 824
Flatness Tolerance	$\pm 5$		mm	P5	TS EN 825
Dimensional Stability	$\pm \%0,2$			DS(N)2	TS EN 1603
Long term water absorption by partial immersion	$\leq \%5$			WL(T)5	TS EN 12087
Application temperature	-50/+75		$^{\circ}\text{C}$		
Water Vapour Permeability	NPD				TS EN12086
Fire Class*	E			E	TS EN 13501-1
Dimensions	50/100		cm		
Thickness**	2, 3, 4, 5, 6, 7, 8, 9, 10		cm		

\*E: It can resist to a small flame attack without substantial flame spreading for a short period.

\*\* It is suitable for door and window centres.

### CONSIDERATIONS

- It should be packaged as taking air with an opaque/non-transparent packaging material.
- It should not be exposed to direct sunlight when it is packaged or non-packaged.
- It should be stored in a cool, ventilated environment and away from heat sources (blowtorch, torch, welding, car exhaust etc).
- It should be stored separately from solvent-containing materials such as thinner.
- There shall be no materials such as water drops, glass pieces, pet bottles, transparent plastic and good heat conductors (construction iron, iron profile, etc.) that can act like a lens / magnifying glass on and around the packaging.
- Stacking should be performed properly and stacks should be arranged so the air circulates between the packages.
- Do not have any shelf life, provided that it is stored under the suitable conditions

## CARBONEX THERMAL INSULATE BOARD



### DEFINITION

Marshall Thermo's EPS Thermal Insulation Boards are made of expanded polystyrene and are manufactured in accordance with TS EN 13163 Thermal Insulation Products - Fabricated - Expanded Polystyrene (EPS) Standards for Buildings.

### GENERAL CHARACTERISTICS

1. It does not contain chlorofluorocarbon derivatives such as CFC, HCFC and HFC gases which will pollute the environment and harm to the ozone layer. It is %100 recycled material. Insulation property doesn't change over time, lifespan is infinite. Easy to apply and very light. It is a reasonable cost and economic thermal insulation material.
2. It is closed-cell. Its thickness doesn't change over time.
3. Marshall Thermo's EPS Thermal Insulation Board shows high resistance to short and long term mechanical loads which may occur in buildings. It prevents the formation of plaster, paint a coating cracks caused by shrinkage and working of walls. Protects the building elements from corrosion. Extends the service life of buildings.
4. It is rested in block to reach perfect dimensional stability by completing its expansion and shrinkage in its structure.
5. EPS Boards are manufactured as satisfying minimum requirements in the composite systems (ETICS) standards for expanded polystyrene based exterior thermal insulation which is for TS EN 13499 thermal insulation material buildings and in accordance with TS EN 13163.

### MARSHALL THERMO'S CARBON THERMAL INSULATION BOARD

	Unit		Class		Related Standard
EPS Class	50				TS EN 13163
Thermal Conductivity Group	035				
Thermal Conductivity Coefficient ( $\lambda$ )	0,033		w/mK		TS EN 12667/TS EN 12939
Strength perpendicular to the Surface	$\geq 100$		kPa	TR100	EN 1607
Compressive Strength at 10% Deformation	$\geq 50$		kPa	CS(10)50	TS EN 826
Length Tolerance	$\pm 2$		mm	L 2	TS EN 822
Width Tolerance	$\pm 2$		mm	W2	TS EN 822
ThickTolerance	$\pm 1$		mm	T1	TS EN 823
Squareness Tolerance	$\pm 2$		mm	S 2	TS EN 824
Flatness Tolerance	$\pm 5$		mm	P5	TS EN 825
Dimensional Stability	$\pm \%0,2$			DS(N)2	TS EN 1603
Long term water absorption by partial immersion	$\leq \%0,5$		kg/m <sup>2</sup>	WL(P)0,5	TS EN 12087
Application temperature	-50/+75		$^{\circ}\text{C}$		
Water Vapour Permeability	NPD				TS EN 12086
Fire Class*	E			E	TS EN 13501-1
Dimensions	50/100		cm		
Thickness**	2, 3, 4, 5, 6, 7, 8, 9, 10		cm		

\*E: It can resist to a small flame attack without substantial flame spreading for a short period.

\*\* 2,3,4 cm plates of thick is suitable for door and window centres

### CONSIDERATIOS

- It should be packaged as taking air with an opaque/non-transparent packaging material.
- It should not be exposed to direct sunlight when it is packaged or non-packaged.
- It should be stored in a cool, ventilated environment and away from heat sources (blowtorch, torch, welding, car exhaust etc).
- It should be stored separately from solvent-containing materials such as thinner.
- There shall be no materials such as water drops, glass pieces, pet bottles, transparent plastic and good heat conductors (construction iron, iron profile, etc.) that can act like a lens / magnifying glass on and around the packaging.
- Stacking should be performed properly and stacks should be arranged so the air circulates between the packages.
- Do not have any shelf life, provided that it is stored under the suitable conditions.

## EPS THERMAL INSULATION BOARD



### DEFINITION

Marshall Thermo's EPS Thermal insulation Boards are made of expanded polystyrene and are manufactured in accordance with TS EN 13163 Thermal Insulation Products - Fabricated - Expanded Polystyrene (EPS) Standards for Buildings.

### GENERAL CHARACTERISTICS

1. It does not contain chlorofluorocarbon derivatives such as CFC, HCFC and HFC gases which will pollute the environment and harm to the ozone layer. It is %100 recycled material. Insulation property doesn't change over time, lifespan is infinite. Easy to apply and very light. It is a reasonable cost and economic thermal insulation material.
2. It is closed-cell. Its thickness doesn't change over time.
3. Marshall Thermo's EPS thermal insulation board shows high resistance to short and long term mechanical loads which may occur in buildings. It prevents the formation of plaster, paint a coating cracks caused by shrinkage and working of walls. Protects the building elements from corrosion. Extends the service life of buildings.
4. It is rested in block to reach perfect dimensional stability by completing its expansion and shrinkage in its structure.
5. EPS Boards are manufactured as satisfying minimum requirements in the composite systems (ETICS) standards for expanded polystyrene based exterior thermal insulation which is for TS EN 13499 thermal insulation material buildings and in accordance with TS EN 13163.

### MARSHALL THERMO'S CARBON THERMAL INSULATION BOARD

EPS Class	60	80	Unit	Class	Related Standard
Thermal Conductivity Group	040				TS EN 13163
Thermal Conductivity Coefficient ( $\lambda$ )	0,040	0,038	w/mK		TS EN 12667/TS EN 12939
Strength perpendicular to the Surface	$\geq 100$	$\geq 120$	kPa	TR100 TR120	EN 1607
Compressive Strength at 10% Deformation	$\geq 60$	$\geq 80$	kPa	CS(10)60 CS(10)80	TS EN 826
Length Tolerance	$\pm 2$		mm	L 2	TS EN 822
Width Tolerance	$\pm 2$		mm	W2	TS EN 822
ThickTolerance	$\pm 1$		mm	T1	TS EN 823
Squareness Tolerance	$\pm 2$		mm	S 2	TS EN 824
Flatness Tolerance	$\pm 5$		mm	P5	TS EN 825
Dimensional Stability	$\pm \%0,2$			DS(N)2	TS EN 1603
Long term water absorption by partial mersion	$\leq \% 5$			WL(T)5	TS EN 12087
Application temperature	-50 /+75		°C		
Water Vapour Permeability	NPD				TS EN 12086
Fire Class*	E			E	TS EN 13501-1
Dimensions	50/100		cm		
Thickness**	2, 3, 4, 5, 6, 7, 8, 9, 10		cm		

\*E: It can resist to a small flame attack without substantial flame spreading for a short period.

\*\* 2,3,4 cm plates of thick is suitable for door and window centre.

### CONSIDERATIONS

- It should be packaged as taking air with an opaque/non-transparent packaging material.
- It should not be exposed to direct sunlight when it is packaged or non-packaged.
- It should be stored in a cool, ventilated ambient and away from heat sources (blowtorch, torch, welding, car exhaust etc).
- It should be stored separately from solvent-containing materials such as thinner.
- There shall be no materials such as water drops, glass pieces, pet bottles, transparent plastic and good heat conductors (construction iron, iron profile, etc.) that can act like a lens / magnifying glass on and around the packaging.
- Stacking should be performed properly and stacks should be arranged so the air circulates between the packages.
- Do not have any shelf life, provided that it is stored under the suitable conditions

## XPS THERMAL INSULATION BOARD



### DEFINITION

Extruded Polystyrene Rigid Foam (XPS) is thermal insulation board with a high performance and blue color, having a closed cell structure and not affected from humidity and water.

### GENERAL CHARACTERISTICS

1. With high strength and viscoelastic material structure, it also resistant to mechanical effects.
2. Its dimensions after application do not change over time.
3. It continues to perform its insulation function as long as the building remains.
4. It has high pressure resistance and strength.
5. Easy apply and light weight.
6. It makes the system efficient.
7. It is blue colour and corners are overlaid (interlocked)
8. It ensures high thermal insulation.
9. It has closed cell structure.
10. It has dimensional stability.
11. Thanks to its rough and groove structure, it ensures good adhesion by means of cement-based adhesives.
12. E-class hardly flammable, thermal conductivity value is  $\mu:80$ .
13. Its density data is according to EN 13164 standards with 30 kg/m<sup>3</sup>.

### MARSHALL THERMO'S XPS THERMAL INSULATION BOARD

	Unit/Class	Related Standard
Thermal Conductivity Group	040	
Thermal Conductivity Coefficient ( $\lambda$ )	0,31 W/mK	EN 13164
Fire class	E	EN 13501-1
Density	Min. 30 kg/m <sup>3</sup>	EN 13164
Dimensional stability at the specified temperature and humidity conditions (23±2) and relative humidity of 90%±5 after 48 hours.	DS (TH) 2	EN 13164
Compressive Strength (min) 10% Deformation	CS (10/Y) 200 kPa	EN 13164
Long term water absorption by Total Immersion	WL(T) < %1,5	EN 13164
Water Vapour Diffusion Resistance Coefficient ( $\mu$ )	80	EN 13164
Maximum Application Temperature	+75 °C	
Coefficient of Linear Expansion	0,07 mm/mk	
Capillarity	None	
Dimensions	Length: 1.300 mm Width: 600 mm Thickness: 30, 40, 50, 60 mm	
Surface Characteristic	Rough, with Groove on the rear surface	
Corner Profile	Overlay	
Application	Exterior wall	

### CONSIDERATIONS

- This products do not store in non-ventilated areas and large quantities to prevent the deposition of flammable vapours.
- Transport bulk shipments of this product must be in well-ventilated vehicles.
- During shipment, storage, installation and use, this material should not be exposed to flame or other ignition sources.
- This material contains a halogenated flame retardant additive system to inhibit accidental ignition from small fire sources.
- Gas fired recirculating air furnaces or heaters, gas heater, etc, drawing air from areas where there may be a presence of the blowing agents emitted from this foam during storage or fabrication can be subject to rust and corrosion problems as a result of thermal decomposition of the blowing agents to hydrogen fluoride.
- Do not have any shelf life, provided that it is stored under the suitable conditions.



## ROCKWOOL THERMAL INSULATION BOARD (120)



### DEFINITION

It is an uncoated rockwool boards that is produced according to TS EN 13500 which is impact strength and compressive strength.

### GENERAL CHARACTERISTICS

1. Thermal conductivity coefficient:  $\lambda$ :0,0364 W/mk
2. Its water vapor permeability is very high due to its natural structure.
3. It doesn't degrade over time, growth of mould and corrode.
4. Uncoated rockwool products are classified as the A1 class non-flammable materials according to the TS EN 13501-1.
5. It does not contain toxic gases.
6. It does not lose its characteristics over time.

### MARSHALL THERMO'S ROCKWOOL THERMAL INSULATION BOARD

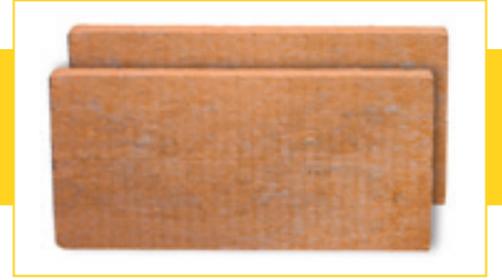
	Symbol	Unit	Definition	Tolerance	Standard
Width	b	mm	600	+/-%1,5	TS EN 822
Length	l	mm	1200	+/- %2	TS EN 822
Thickness	d	mm	50 60 80 100 120		TS EN 823
Density	p	kg/m <sup>3</sup>	120	+/-%7	-
Coating	-	-	UNCOATED	-	-
Fire Class	-	-	A1	-	TS EN 13501-1
Deviation from Squareness	Sb	mm/m	maks. 5	-	TS EN 824
Surface smoothness	Smax	mm/m	maks.6	-	TS EN 825
Dimension stability	$\Delta\xi d$	%	maks.1	-	TS EN 1604
Declared value for thermal conductivity (10 °C)	$\lambda D$	W/mK	0,0364	-	TS EN 12667/12939
Thermal conductivity resistance	RD	m <sup>2</sup> K/w	1,37 1,65 2,20 2,75 3,30	-	TS EN 12667/12939
The water vapor diffusion resistance**	$\mu$	-	1	-	TS EN 12086: 2002
Strength perpendicular to the Surface	$\delta mt$	kPa	10	-	TS EN 1607
Compressive Strength	$\delta IO$	kPa	min. 45	-	TS EN 826
Long term water absorption by partial immersion	Wlp	kg/m <sup>2</sup>	≤ 3	-	TS EN 12087
Short term water absorption by partial immersion	Wp	kg/m <sup>2</sup>	≤ 1	-	TS EN 1609
Package materials	-	-	PE FILM	-	-

Thermal sheathing boards are produced by taking into consideration the technical specifications required provide of insulation materials stated in TS EN 13500 for "exterior insulation systems based on mineral wool (rock wool)" and in compliance with TS EN 13162 standard.

### CONSIDERATIONS

- It should be stored in package and the damaged package should not be used.
- Packages should not be stacked on top of one another.
- Storage area should not be affected by rain, flooding etc. and closed area should be preferred.
- Storage floor should be flat and anti-slip.
- Do not have any shelf life, provided that it is stored under the suitable conditions.

## ROCKWOOL THERMAL INSULATION BOARD (130)



### DEFINITION

It is an uncoated rockwool boards that is produced according to TS EN 13500 which is impact strength and compressive strength.

### GENERAL CHARACTERISTICS

1. Thermal conductivity coefficient:  $\lambda$ :0,0364 W/mk
2. Its water vapor permeability is very high due to its natural structure.
3. It doesn't degrade over time, growth of mould and corrode.
4. Uncoated rockwool products are classified as the A1 class non-flammable materials according to the TS EN 13501-1.
5. It does not contain toxic gases.
6. It does not lose its characteristics over time.

### MARSHALL THERMO'S ROCKWOOL THERMAL INSULATION BOARD

	Symbol	Unit	Definition	Tolerance	Standard
Width	b	mm	600	+/-%1,5	TS EN 822
Length	l	mm	1200	+/- %2	TS EN 822
Thickness	d	mm	50 60 80 100 120		TS EN 823
Density	p	kg/m <sup>3</sup>	130	+/-%7	-
Coating	-	-	UNCOATED	-	-
Fire Class	-	-	A1	-	TS EN 13501-1
Deviation from Squareness	Sb	mm/m	maks. 5	-	TS EN 824
Surface smoothness	Smax	mm/m	maks.6	-	TS EN 825
Dimension stability	$\Delta\xi d$	%	maks.1	-	TS EN 1604
Declared value for thermal conductivity (10 °C)	$\lambda D$	W/mK	0,0364	-	TS EN 12667/12939
Thermal conductivity resistance	RD	m <sup>2</sup> K/w	1,37 1,65 2,20 2,75 3,30	-	TS EN 12667/12939
The water vapor diffusion resistance**	$\mu$	-	1	-	TS EN 12086: 2002
Strength perpendicular to the Surface	$\delta mt$	kPa	10	-	TS EN 1607
Compressive Strength	$\delta IO$	kPa	min. 50	-	TS EN 826
Long term water absorption by partial immersion	Wlp	kg/m <sup>2</sup>	≤ 3	-	TS EN 12087
Short term water absorption by partial immersion	Wp	kg/m <sup>2</sup>	≤ 1	-	TS EN 1609
Package materials	-	-	PE FILM	-	-

Thermal sheathing boards are produced by taking into consideration the technical specifications required provide of insulation materials stated in TS EN 13500 for "exterior insulation systems based on mineral wool (rock wool)" and in compliance with TS EN 13162 standard.

### CONSIDERATIONS

- It should be stored in package and the damaged package should not be used.
- Packages should not be stacked on top of one another.
- Storage area should not be affected by rain, flooding etc. and closed area should be preferred.
- Storage floor should be flat and anti-slip.
- Do not have any shelf life, provided that it is stored under the suitable conditions.

## ROCKWOOL THERMAL INSULATION BOARD (150)



### DEFINITION

It is an uncoated rockwool boards that is produced according to TS EN 13500 which is impact strength and compressive strength

### GENERAL CHARACTERISTICS

1. Thermal conductivity coefficient:  $\lambda: 0,0364 \text{ W/mk}$
2. Its water vapor permeability is very high due to its natural structure.
3. It doesn't degrade over time, growth of mould and corrode.
4. Uncoated rockwool products are classified as the A1 class non-flammable materials according to the TS EN 13501-1.
5. It does not contain toxic gases.
6. It does not lose its characteristics over time.

### MARSHALL THERMO'S ROCKWOOL THERMAL INSULATION BOARD

	Symbol	Unit	Definition	Tolerance	Standard
Width	b	mm	600	+/-%1,5	TS EN 822
Length	l	mm	1200	+/- %2	TS EN 822
Thickness	d	cm	3 4 5 6 8 10 12		TS EN 823
Density	$\rho$	kg/m <sup>3</sup>	150	+/-%7	-
Coating	-	-	UNCOATED	-	-
Fire Class	-	-	A1	-	TS EN 13501-1
Deviation from Squareness	Sb	mm/m	maks. 5	-	TS EN 824
Surface smoothness	Smax	mm/m	maks.6	-	TS EN 825
Dimension stability	$\Delta\epsilon d$	%	maks.1	-	TS EN 1604
Declared value for thermal conductivity (10 °C)	$\lambda_D$	W/mK	0,037	-	TS EN 12667/12939
Thermal conductivity resistance	RD	m <sup>2</sup> K/w	0,82 1,10 1,37 1,65 2,20 2,75 3,30	-	TS EN 12667/12939
The water vapor diffusion resistance**	$\mu$	-	1	-	TS EN 12086: 2002
Strength perpendicular to the Surface	$\delta_{mt}$	kPa	min. 15	-	TS EN 1607
Thermal conductivity resistance	$\delta_{mt}$	kPa	min. 15	-	TS EN 1607
Long term water absorption by partial immersion	W <sub>lp</sub>	kg/m <sup>2</sup>	maks. 3	-	TS EN 12087
Short term water absorption by partial immersion	W <sub>p</sub>	kg/m <sup>2</sup>	maks. 1	-	TS EN 1609
Package materials	-	-	PE FILM	-	-

Thermal sheathing boards are produced by taking into consideration the technical specifications required provide of insulation materials stated in TS EN 13500 for "exterior insulation systems based on mineral wool (rock wool)" and in compliance with TS EN 13162 standard.

### CONSIDERATIONS

- It should be stored in package and the damaged package should not be used.
- Packages should not be stacked on top of one another.
- Storage area should not be affected by rain, flooding etc. and closed area should be preferred.
- Storage floor should be flat and anti-slip.
- Do not have any shelf life, provided that it is stored under the suitable conditions.



## THERMO'S LY EXTRA THERMAL INSULATION BOARD ADHESIVE



### PRODUCT RELEASE

Packaging **25 KG**

**COLOR** Gray

### FIELDS OF USAGE

It can be used for residential, shopping centers, hospitals, industrial buildings, all kinds of reinforced concrete engineering structure; adhering on floor such concrete and brick of the exterior thermal insulation systems; adhering of thermal insulation board on exposed concrete, brick and gas concrete in the indoor.

### CHARACTERISTICS

It gives show fast high adhesion strength and hardens, even if exposed to cold weathers. (18 hours at 5°C) It allows to fixing dowel at 18 hours, even in winter season. It can also be used in four season conditions. The most significant advantages are ultimate strength and fast sticking in addition optimum working time. The applied product shows durability and adhesion strength even when the temperature is below zero, after 6-8 hours. Surface and air temperatures during application can be between 0°C and +35°C. Easy to use and easy to forming. It long lasting. High resistance against all weathers. It has vapour permeability. Do not contain asbestos. It is non-flammable.

### MARSHALL THERMO'S LY EXTRA THERMAL INSULATION BOARD ADHESIVE

Chemical Structure	Cement-based, polymer-modified
Pot Life	90 minutes
Application Temperature	+5 °C/+30 °C
Mixture Rate with Water	25 kg LY EXTRA/6-7 L clean water is added.
Drying time	1-3 days (depending on air temperatures)
Consumption	4-4,5 kg/m <sup>2</sup> polystyrene boards 5-5,5 kg/m <sup>2</sup> rockwool boards (Consumption may vary depending on surfaces)
Colour	Gray
Adhesive Force to Substrate (EN 1015-12)	Min. 0,7 N/mm <sup>2</sup>
Fire Reaction Class	A1
Water Absorption (EN 12808-5)	30 minute/max. 5 g-240 minute/max. 10 g
Flexural Strength (EN 1015-11)	Min. 2 N/mm <sup>2</sup>
Compressive Strength (EN 1015-11)	Min. 10 N/mm <sup>2</sup>
Adhesion Strength on Thermal Insulation Board (EN 13494)	Min. 0,10 N/mm <sup>2</sup>

### SURFACE PREPARATION

The surfaces should be clean, smooth, sound, and free from all kinds of dust, oil, dirt, rust, mold oil, detergent, and wastes that prevent adhesion. Surfaces should be in the direction of the plumb line, weak parts should be removed. If the application surface is having cracks and holes, it should be repaired with suitable repair mortars. Application surface should be slightly moistened beforehand. There should not be moisture and water accumulation If the surface is excessive undulated, it should be applied thin or coarse plaster beforehand.

### APPLICATION

**Mixture Ratio:** 25 kg Thermo's LY EXTRA / 5,5 – 6 l clean water

**Application:** It should be applied on surfaces the sub-surface preparation is finished. There are two different types of bonding method as to the workmanship, to the surface smoothness and the type of thermal insulation board used.

**Framework Method:** Thermo's LY is applied by trowel as a continuous framework along the edge of the insulation board. In addition Thermo's LY EXTRA adhesive mortar is placed in the form of two balls on left and on right side by 10cm at the middle of board with a trowel.

**Stripping Method:** Over the sticking surface of thermal insulation board is applied stripping layer with notched trowel. After the board is adhered to the surface can be started to mounting the dowels in 12-24 hours depending on the air temperature. Thermal insulation system application is performed according to TS 825.



## FS EXTRA INSULATION PLASTER



### CONSIDERATIONS

- Do not reuse the hardened material by reconstituting.
- For the top coat application should be used the paint primer.
- The product should be always protected from ambient conditions under+ 5 °C, it should be covered by nylon or thermal insulation boards should be laid to prevent the product the frost.
- It should be protected at temperatures above +35 °C, it should be covered by nylon or thermal insulation boards should be laid to prevent sudden water loss of the production.
- Do not apply the product under direct sunlight, strong wind, fog, high relative humidity or extreme rain. Protect the applied surface against to intensive sunlight and to heat up by various reasons until the drying duration is completed.
- It should be protected from rainfall, wind, extreme cold and hot for 12 hours in outdoor applications.

### CLEANING THE APPLICATION TOOLS

All equipments should be cleaned by water immediately after the application. Hardened materials can be cleaned mechanically.

### CHARACTERISTICS RELATED TO ENVIRONMENT AND HUMAN HEALTH

It may cause the irritation by skin contact. Workwear, protective glove, mask and glasses should be used. Before the application, can be used a protective hand cream. In the case of eye contact, immediately rinse with warm water and consult a physician. For further information, please contact us by mail or phone.

### STORAGE CONDITIONS AD OTHER INFORMATION

- It should be stored in original package, in a cool and dry place, protect from frost.
- It should not be placed any weight on it. There should be maximum 8 rows on a palette and stowage, more than 2 palettes are not allowed.
- Material should not be unpacked until it is used. The package should not be damaged.
- It should be stored on a palette in a dry and humid-free space not exposed to direct sunlight in a temperature range of 5 °C / 35 °C.
- Shelf life is 6 months in a cool and dry environment from the manufacture date.



TS 13566/12.06.2013  
Poz No: O4.480



Our product has a national mark that indicates it's safe as per the Construction Materials Regulation. The product is manufactured in accordance with the national technical specifications within the scope of Conformity Confirmation System 2+.

### PRODUCT RELEASE

Packaging **25 KG**

**COLOR** Gray

### FIELDS OF USAGE

It can be used for residential, shopping centers, hospitals, industrial buildigs, all kinds of reinforced concrete engineering structure, plastering of thermal insulation board in exterior thermal insulation system. It is used in interiors for horizontal and vertical (overhead) plaster application on concrete, gas concrete and filler foam.

### CHARACTERISTICS

It is easy to use and easy to forming, It has high durability against all weathers. It is long-lasting, and has stretch feature thanks to polymer additives it contains. It has vapour permeability. Do not contain asbestos. It is not flammable. Paint can be applied directly on it. It minimizes superficial cracking with its polypropylene fibers.

### MARSHALL THERMO'S FS EXTRA THERMAL INSULATION PLASTER

Appearance	Gray, fine, mineral plaster mortar
Chemical Structure	Cement-based, with polymer additive
Pot Life	60 minutes
Application Temperature	+5 °C/+35 °C
Mixture Rate with Water	25 kg FS EXTRA/6-7 L clean water is added
Drying time (20oC)	24 hours
Consumption	4-4,5 kg/m <sup>2</sup>
Adhesive Strength (EN 1015-12)	≥ 0,5 N/mm <sup>2</sup>
Fire Reaction Class	A1
Water Absorption (EN 1015-18)	≤ 0,5 (kg/m <sup>2</sup> dk <sup>0,5</sup> )
Application Thickness	3 mm (min.) - 5 mm (maks.)
Compressive Strength (EN 1015-11)	≥10 N/mm <sup>2</sup>
Bonding Strength	≥ 0,5 N/mm <sup>2</sup>
Thermal Conductivity W/mK	0,76

### SURFACE PREPARATION

Application surface must be slightly moistened beforehand. There should not be moisture and water accumulation. The suitable dowel should be chosen depending on the thickness of the concrete, brick, gas concrete, thermal insulation board. Dowels should be applied such that there will be minimum 6 dowels for one square meter area. As the story height increases, the number of dowels used should also be increased. Opening the dowels properly will determine the quality of the application. If the dowel heads remains very out of the board plane and more plaster is applied, the structure is exhibite badly appearance when exposed to rain or sunlight. The location of the dowels become clear. Before the plaster application, it is opened holes which fixation of the dowel on the board by a punch inserted to the drill bit. Dowels are applied. After finishing the dowel application process, THERMO'S DS EXTRA application is started.

### APPLICATION

**Mixture Ratio:** 25 kg Thermo's DS EXTRA / 6-7 l clean water .

**Application:** The first plaster layer is applied with notched trowel by consumption of 3,0 kg/m<sup>2</sup> onto thermal insulation boards after the fixing process of dowels. It is applied onto wet plaster surface by overlap of 10% the plaster mesh of minimum 160 g/m<sup>2</sup> with the alkali resistance. Then the second layer of plaster which is applied on surface with steel trowel by consumption of 2,0 kg/m<sup>2</sup>. 2/3 of the plaster should be below the mesh and 1/3 of it should be onto the mesh. Plaster applied on thermal insulation board should not exceed 5 mm

In places with sudden section changes such as door and window, in addition, plaster mesh reinforcement and THERMO'S DS/DS EXTRA should be applied. Corner Profile with mesh should be preferred in the profile applications made for smoothness rendering of the construction edges. Thermal insulation board application should be performed in accordance with TS 825.



## DS EXTRA DECORATIVE COVERING



### CONSIDERATIONS

- Do not reuse the hardened material by reconstituting.
- For the top coat application should be used the paint primer.
- The product should be always protected from ambient conditions under+ 5 °C, it should be covered by nylon or thermal insulation boards should be laid to prevent the product the frost..
- It should be protected at temperatures above +35 °C, it should be covered by nylon or thermal insulation boards should be laid to prevent sudden water loss of the production.
- Do not apply the product under direct sunlight, strong wind, fog, high relative humidity or extreme rain. Protect the applied surface against to intensive sunlight and to heat up by various reasons until the drying duration is completed.
- It should be protected from rainfall, wind, extreme cold and hot for 12 hours in outdoor applications.

### CLEANING THE APPLICATION TOOLS

All equipments should be cleaned by water immediately after the application. Hardened materials can be cleaned mechanically.

### CHARACTERISTICS RELATED TO ENVIRONMENT AND HUMAN HEALTH

It may cause the irritation by skin contact. Workwear, protective glove, mask and glasses should be used. Before the application, can be used a protective hand cream. In the case of eye contact, immediately rinse with warm water and consult a physician. For more detailed information, please contact us.

### STORAGE CONDITIONS AD OTHER INFORMATION

- It should be stored in original package, in a cool and dry place, protect from frost.
- It should not be placed any weight on it. There should be maximum 8 rows on a palette and stowage, more than 2 palettes are not allowed.
- Material should not be unpacked until it is used. The package should not be damaged.
- It should be stored on a palette in a dry and humid-free space not exposed to direct sunlight in a temperature range of 5 °C / 35 °C.
- Shelf life is 6 months in a cool and dry ambient from the manufacture date.



TS 13687/18.02.2016  
Poz No: 04.481



Our product has a national mark that indicates it's safe as per the Construction Materials Regulation. The product is manufactured in accordance with the national technical specifications within the scope of Conformity Confirmation System 1+.

### PRODUCT RELEASE

Packaging **25 KG**

**COLOR** White

### FIELDS OF USAGE

It's used as a decorative covering on the exterior thermal insulation system for residences, shopping centers, hospitals, industrial buildings, all types of reinforced concrete civil engineering structures and it's used as a decorative covering on exposed concrete interiors and exteriors.

### CHARACTERISTICS

It is easy to use and easy to forming, long lasting, high resistance against all weathers. It is long-lasting. It is not flammable and does not swell. It provides a homogeneous decorative appearance after application. It covers the steel trowel traces on the plaster due to its texture. It has vapour permeability. It can paint over with exterior paints.

### MARSHALL THERMO'S DS EXTRA DECORATIVE COVERING PRIMER

Chemical Structure	Cement-based, with polymer additive
Density	1,65 kg/L
Pot Life	90 minutes
Application Temperature	+5 °C / +35 °C
Mixture Ratio with Water	25 kg DS EXTRA / 6,25-6,5 L clean water is added.
Drying time (20oC)	24 hours
Consumption	2,5-3 kg/m <sup>2</sup>
Color	White
Adhesive Strength	1,0 N/mm <sup>2</sup>
Compressive Strength (28 Day)	≥18 N/mm <sup>2</sup>
Application Thickness	(average) 2 mm
Fire Reaction Class	A1
Maximum Grain Diameter	2 mm
Dry Powder Density	1,51± 0,2 kg/L
Wet Mortar Density	1,70± 0,2 kg/L

### SURFACE PREPARATION

Application surface should be slightly moistened beforehand There should not be moisture and water accumulation. It's advised to apply Thermo's AS as a decorative plaster primer before the application in hot weathers.

### APPLICATION

**Mixture Ratio:** 25 kg Thermo's DS EXTRA / 6 – 6,5 liter clean water.

**Application:** Prepared material is properly applied with a steel trowel on the surface. THERMO'S DS EXTRA is imparted pattern with circular movements use of a flat plastic trowel 5 minutes after of applying homogeneously on the surface. While the pattern is imparted, the plastic trowel should be cleaned frequently. Do not apply the product under direct sunlight, strong wind, fog, high relative humidity or extreme rain. Protect the applied surface against to intensive sunlight and to heat up by various reasons until the drying duration is completed. It can paint with exterior paint onto Thermo's DS EXTRA if desired. It is recommended to wait 7 days under normal conditions after application for painting on it. Avoid direct contact with skin. It should be protected from rain, wind, extreme cold and hot for 12 hours in the outdoor applications. Thermal insulation system application should be performed in accordance with TS 825.



## THERMO'S DS EXTRA THIN DECORATIVE COVERING



### CONSIDERATIONS

- Do not reuse the hardened material by reconstituting.
- For the top coat application should be used the paint primer.
- The product should be always protected from ambient conditions under +5°C, should be covered by nylon or thermal insulation boards should be laid to prevent the product the frost.
- It should be protected at temperatures above +35°C, it should be covered by nylon or thermal insulation boards should be laid to prevent sudden water loss of the production.
- Do not apply the product under direct sunlight, strong wind, fog, high relative humidity or extreme rain. Protect the applied surface against to intensive sunlight and to heat up by various reasons until the drying duration is completed. Avoid direct contact with skin. It should be protected from rain, wind, extreme cold and hot for 12 hours in the outdoor applications.

### CLEANING THE APPLICATION TOOLS

The equipments should be cleaned by water immediately after the application. Hardened materials can be cleaned mechanically.

### CHARACTERISTICS RELATED TO ENVIRONMENT AND HUMAN HEALTH

It may cause the irritation by skin contact. Workwear, protective glove, mask and glasses should be used. Before the application, can be used a protective hand cream. In the case of eye contact, immediately rinse with warm water and consult a physician. For more detailed information, please contact us.

### STORAGE CONDITIONS AD OTHER INFORMATION

- It should be stored in original package, in a cool and dry space, protect from frost.
- It should not be placed any weight on it. There should be maximum 8 rows on a palette and stowage more than 2 palettes is not allowed.
- Material should not be unpacked until it is used. Package should not be damaged.
- It should be stored on palette in a dry and humid-free space not exposed to direct sunlight in a temperature range of 5 °C / 35°C.
- Shelf life is 6 months in a cool and dry ambient from the manufacture date.

**G** Our product has a national mark that indicates it's safe as per the Construction Materials Regulation. The product is manufactured in accordance with the national technical specifications within the scope of Conformity Confirmation System 4.

### PRODUCT RELEASE

Packaging **25 KG**

**COLOR** White

### FIELDS OF USAGE

It's used as a decorative covering on the exterior thermal insulation systems for residences, shopping centers, hospitals, industrial buildings, all types of reinforced concrete civil engineering structures and it's used as a decorative covering on exposed concrete interiors and exteriors.

### CHARACTERISTICS

It is easy to use and easy to forming. It has high durability against all weathers. It is long-lasting. It is not flammable and does not roughen. It provides a a homogeneous decorative appearance after application. It covers the steel trowel traces on the plaster due to its texture. It has vapour permeability. It can paint over with exterior paints.

### MARSHALL THERMO'S DS EXTRA DECORATIVE COVERING

Chemical Structure	Cement-based, with polymer additive
Density	1,65 kg/L
Pot Life	90 minutes
Application Temperature	+5 °C/+35 °C
Mixture Ratio with Water	25 kg DS EXTRA THIN / 6-6,5 l clean water is added.
Drying time (20°C)	24 hours
Consumption	2-2,2 kg/m <sup>2</sup>
Color	White
Adhesive Strength	1,0 N/mm <sup>2</sup>
Compressive Strength (28 Day)	≥18 N/mm <sup>2</sup>
Application Thickness	1,2
Fire Reaction Class	A1
Dry Powder Density	1,67± 0,2 kg/L
Wet Mortar Density	1,70± 0,2 kg/L

### SURFACE PREPARATION

Application surface should be slightly moistened beforehand. There should not be moisture and water accumulation. It's advised to apply Thermo's AS as a decorative plaster primer before the application in hot weathers.

### APPLICATION

**Mixture Ratio:** 25 kg Thermo's DS EXTRA THIN / 6 – 6,5 liter clean water

**Application:** It has poured clean and clear water of 6-6,5 L at room temperature in a clean container that is free any kind of anti-adherents. It is poured 25 kg Thermo's DS EXTRA THIN in powder in a container containing water. It is stirred with low speed mixer till the disappearance of lump and homogeneous state. Mixing time should be minimum 5 minutes. When the mortar thus obtained is allowed for 3 minutes and stir again till to a homogeneous state for 2 minutes.

Prepared material is properly applied with a steel trowel on the surface. THERMO'S DS EXTRA THIN is imparted pattern with circular movements use of a flat plastic trowel 5 minutes after of applynig homogeneously on the surface. While the pattern is imparted the plastic trowel should be cleaned frequently. Thermal insulation system application should be performed according to TS 825.



## LY THERMAL INSULATION BOARD ADHESIVE



### PRODUCT RELEASE

Packaging **25 KG**

**COLOR** Gray

### FIELDS OF USAGE

It's used for adhering to surfaces such as concrete and brick the exterior thermal insulation systems for residences, shopping centers, hospitals, industrial buildings, all types of reinforced concrete civil engineering structures and adhering heat insulation boards on exposed concrete, brick, gas concrete in interiors.

### CHARACTERISTICS

It gives show fast high adhesion strength and hardens, even if exposed to cold weather conditions. (18 hours at 5oC). It allows to fixing dowel at 18 hours even winter season. Suitable to use for 4 seasons too. The most significant advantages are high final strength and fast sticking as well as optimum working time. The applied product shows durability and adhesion strength even when the temperature is below zero, after 6-8 hours. Surface and ambient temperature during application can be between 0oC and +35oC. Easy to use and easy to forming. It shows high resistance against all weathers. Long lasting. Having vapour permeability. Do not contain asbestos. It is not flammable.

### MARSHALL THERMO'S LY THERMAL INSULATION BOARD ADHESIVE

Chemical Structure	Cement-based, with polymer additive
Pot Life	90 minutes
Application Temperature	+5 °C/+30 °C
Mixture Ratio with Water	25 kg LY/6-7 L clean water is added.
Drying time	1-3 days (depending on air temperature)
Consumption	4-4,5 kg/m <sup>2</sup> polystyrene boards 5-5,5 kg/m <sup>2</sup> rockwool boards (Consumption may vary depending on surfaces)
Color	Gray
Adhesive Force to Substrate (EN 1015-12)	Min. 0,7 N/mm <sup>2</sup>
Fire Reaction Class	A1
Water Absorption (EN 12808-5)	30 dk. maks. 5 g-240 dk. maks. 10 g
Flexural Strength (EN 1015-11)	Min. 2 N/mm <sup>2</sup>
Compressive Strength (EN 1015-11)	Min. 10 N/mm <sup>2</sup>
Adhesion Strength on Thermal Insulation Board (EN 13494)	Min. 0,10 N/mm <sup>2</sup>

### SURFACE PREPARATION

Surfaces of adhesion should be dry, clean and free of adherence-reducing factors which all kind such as of dust, oil, dirt, rust mould oil, detergent. Surfaces should be in the direction of the plumb line, weak parts should be removed. If the application surface is having cracks and holes, it should be repaired with suitable repair mortars.

Application surface should be slightly moistened beforehand. There should not be moisture and water accumulation. If the surface is excessive undulated, it should be applied thin or coarse plaster beforehand.

### APPLICATION

**Mixture Ratio:** 25 kg Thermo's LY/5,5-6 L clean water.

**Application:** It should be applied on surfaces the sub-surface preparation is finished. There are two different types of bonding method as to the workmanship, to the surface smoothness and the type of thermal insulation board used.

**Framework Method:** Thermo's LY is applied by trowel as a continuous framework along the edge of the thermal insulation board and in the form of two balls on left and on right side by 10cm at the middle of board.

**Stripping Method:** Over the sticking surface of thermal insulation board is applied stripping layer with notched trowel. After the board is adhered to the surface can be started to mounting the dowels in 12-24 hours depending on the air temperature. Thermal insulation system application is performed according to TS 825.

### CONSIDERATIONS

- Do not reuse the hardened material by reconstituting.
- For the top coat application should be used the paint primer.
- Either to increase the resistance of THERMO'S DS EXTRA THIN to pollution and external effects or to prevent applications with the tone differences for various reasons, all covering surfaces should be painted in 2 coats.
- Point consumption varies according to the pattern. The color should be checked before the application. Material should be taken as needed.
- The product should be always protected from ambient conditions under +5°C, should be covered by nylon or thermal insulation boards should be laid to prevent the product the frost.
- It should be protected at temperatures above +35°C, it should be covered by nylon or thermal insulation boards should be laid to prevent sudden water loss of the production.
- Do not apply the product under direct sunlight, strong wind, fog, high relative humidity or extreme rain. Protect the applied surface against to intensive sunlight and to heat up by various reasons until the drying duration is completed.

### CLEANING THE APPLICATION TOOLS

The equipments should be cleaned by water immediately after the application. Hardened materials can be cleaned mechanically.

### CHARACTERISTICS RELATED TO ENVIRONMENT AND HUMAN HEALTH

It may cause the irritation by skin contact. Workwear, protective glove, mask and glasses should be used. Before the application, can be used a protective hand cream. In the case of eye contact, immediately rinse with warm water and consult a physician. For more detailed information, please contact us.

### STORAGE CONDITIONS AD OTHER INFORMATION

- It should be stored in original package, in a cool and dry space, protect from frost.
- It should not be placed any weight on it. There should be maximum 8 rows on a palette and stowage more than 2 palettes is not allowed.
- Material should not be unpacked until it is used. Package should not be damaged.
- It should be stored on palette in a dry and humid-free space not exposed to direct sunlight in a temperature range of 5 °C / 35°C.
- Shelf life is 6 months in a cool and dry ambient from the manufacture date.

**G** Our product has a national mark that indicates it's safe as per the Construction Materials Regulation. The product is manufactured in accordance with the national technical specifications within the scope of Conformity Confirmation System 4.



## FS THERMAL INSULATION PLASTER

### PRODUCT RELEASE

Packaging **25 KG**

**COLOR** Gray

### FIELDS OF USAGE

It can be used for residential, shopping centers, hospitals, industrial buildings, all kinds of reinforced concrete engineering structure, plastering of thermal insulation board in exterior thermal insulation system. It is used in interiors for horizontal and vertical (overhead) plaster application on concrete, gas concrete and filler foam.

### CHARACTERISTICS

It is easy to use and easy to forming, It has high durability against all weathers. It is long-lasting, and has stretch feature thanks to polymer additives it contains. It has vapour permeability. Do not contain asbestos. It is not flammable. Paint can be applied directly on it. It minimizes superficial cracking with its polypropylene fibers.

### MARSHALL FS THERMAL INSULATION PLASTER

Appearance	Gray, fine mineral plaster mortar
Chemical Structure	Cement-based, with polymer additive
Pot Life	60 minutes
Application Temperature	+5 °C/+35 °C
Mixture Rate with Water	25 kg FS/6-7 L clean water is added.
Drying time (20oC)	24 hours
Consumption	4-4,5 kg/m <sup>2</sup>
Adhesive Strength (EN 1015-12)	≥ 0,5 N/mm <sup>2</sup>
Fire Reaction Class	A1
Water Absorption (EN 1015-18)	≤ 0,5 (kg/m <sup>2</sup> dk <sup>0,5</sup> )
Application Thickness	3 mm (min.) - 5 mm (maks.)
Compressive Strength (EN 1015-11)	≥10 N/mm <sup>2</sup>
Bonding Strength	≥ 0,5 N/mm <sup>2</sup>
Thermal Conductivity W/mK	0,76

### SURFACE PREPARATION

Application surface must be slightly moistened beforehand. There should not be moisture and water accumulation. The suitable dowel should be chosen depending on the thickness of the concrete, brick, gas concrete, thermal insulation board. Dowels should be applied such that there will be minimum 6 dowels for one square meter area. As the story height increases, the number of dowels used should also be increased. Opening the dowels properly will determine the quality of the application. If the dowel heads remains very out of the board plane and more plaster is applied, the structure exhibits badly appearance when exposed to rain or sunlight. The location of the dowels become clear. Before the plaster application, it is opened holes which fixation of the dowel on the board by a punch inserted to the drill bit. Dowels are applied. After finishing the dowel application process, THERMO'S/DS EXTRA application is started..

### APPLICATION

**Mixture Ratio:** 25 kg Thermo's FS/6-7 L clean water .

**Application:** The first plaster layer is applied with notched trowel by consumption of 3,0 kg/m<sup>2</sup> onto thermal insulation boards after the fixing process of dowels. It is applied onto wet plaster surface by overlap of 10% the plaster mesh of minimum 160 g/m<sup>2</sup> with the alkali resistance. Then the second layer of plaster which is applied on surface with steel trowel by consumption of 2,0 kg/m<sup>2</sup>. 2/3 of the plaster should be below the mesh and 1/3 of it should be onto the mesh. Plaster applied on thermal insulation board should not exceed 5 mm.

In places with sudden section changes such as door and window, in addition, plaster mesh reinforcement and THERMO'S DS/DS EXTRA should be applied. Corner Profile with mesh should be preferred in the profile applications made for smoothness rendering of the construction edges. Thermal insulation board application should be performed in accordance with TS 825.

### CONSIDERATIONS

- Do not reuse the hardened material by reconstituting.
- For the top coat application should be used the paint primer.
- The product should be always protected from ambient conditions under+ 5 ° C, it should be covered by nylon or thermal insulation boards should be laid to prevent the product the frost.
- It should be protected at temperatures above +35 ° C, it should be covered by nylon or thermal insulation boards should be laid to prevent sudden water loss of the production.
- Do not apply the product under direct sunlight, strong wind, fog, high relative humidity or extreme rain. Protect the applied surface against to intensive sunlight and to heat up by various reasons until the drying duration is completed.
- It should be protected from rainfall, wind, extreme cold and hot for 12 hours in outdoor applications.

### CLEANING THE APPLICATION TOOLS

All equipments should be cleaned by water immediately after the application. Hardened materials can be cleaned mechanically.

### CHARACTERISTICS RELATED TO ENVIRONMENT AND HUMAN HEALTH

It may cause the irritation by skin contact. Workwear, protective glove, mask and glasses should be used. Before the application, can be used a protective hand cream. In the case of eye contact, immediately rinse with warm water and consult a physician. For further information, please contact us.

### STORAGE CONDITIONS AD OTHER INFORMATION

- It should be stored in original package, in a cool and dry place, protect from frost.
- It should not be placed any weight on it. There should be maximum 8 rows on a palette and stowage, more than 2 palettes are not allowed.
- Material should not be unpacked until it is used. The package should not be damaged.
- It should be stored on a palette in a dry and humid-free space not exposed to direct sunlight in a temperature range of 5 °C / 35 °C.
- Shelf life is 6 months in a cool and dry environment from the manufacture date.



TS 13566/12.06.2013  
Poz No: O4.480



Our product has a national mark that indicates it's safe as per the Construction Materials Regulation. The product is manufactured in accordance with the national technical specifications within the scope of Conformity Confirmation System 2+.



## DS EXTRA DECORATIVE COVERING



### CONSIDERATIONS

- Do not reuse the hardened material by reconstituting.
- For the top coat application should be used the paint primer.
- The product should be always protected from ambient conditions under+ 5 ° C, it should be covered by nylon or thermal insulation boards should be laid to prevent the product the frost..
- It should be protected at temperatures above +35 ° C, it should be covered by nylon or thermal insulation boards should be laid to prevent sudden water loss of the production.
- Do not apply the product under direct sunlight, strong wind, fog, high relative humidity or extreme rain. Protect the applied surface against to intensive sunlight and to heat up by various reasons until the drying duration is completed.
- It should be protected from rainfall, wind, extreme cold and hot for 12 hours in outdoor applications.

### CLEANING THE APPLICATION TOOLS

All equipments should be cleaned by water immediately after the application. Hardened materials can be cleaned mechanically.

### CHARACTERISTICS RELATED TO ENVIRONMENT AND HUMAN HEALTH

It may cause the irritation by skin contact. Workwear, protective glove, mask and glasses should be used. Before the application, can be used a protective hand cream. In the case of eye contact, immediately rinse with warm water and consult a physician. For more detailed information, please contact us.

### STORAGE CONDITIONS AD OTHER INFORMATION

- It should be stored in original package, in a cool and dry place, protect from frost.
- It should not be placed any weight on it. There should be maximum 8 rows on a palette and stowage, more than 2 palettes are not allowed.
- Material should not be unpacked until it is used. The package should not be damaged.
- It should be stored on a palette in a dry and humid-free space not exposed to direct sunlight in a temperature range of 5 ° C / 35 ° C.
- Shelf life is 6 months in a cool and dry ambient from the manufacture date.



TS 13687/18.02.2016  
Poz No: 04.481



Our product has a national mark that indicates it's safe as per the Construction Materials Regulation. The product is manufactured in accordance with the national technical specifications within the scope of Conformity Confirmation System 1+.

### PRODUCT RELEASE

Packaging **25 KG**

**COLOR** White

### FIELDS OF USAGE

It's used as a decorative covering on the exterior thermal insulation system for residences, shopping centers, hospitals, industrial buildings, all types of reinforced concrete civil engineering structures and it's used as a decorative covering on exposed concrete interiors and exteriors.

### CHARACTERISTICS

It is easy to apply and easy to forming. It has high durability against all weathers. It is long-lasting. It is not flammable and does not roughen. It provides a homogeneous decorative appearance after application. It covers the steel trowel traces on the plaster due to its texture. It has vapour permeability. It can paint over with exterior paints.

### MARSHALL THERMO'S DS DECORATIVE COVERING PRIMER

Chemical Structure	Cement-based, with polymer additive
Density	1,65 kg/l
Pot Life	90 minutes
Application Temperature	+5 ° C / +35 ° C
Mixture Ratio with Water	25 Kg DS / 6,25-6,5 l clean water is added
Drying time (20°C)	24 hours.
Consumption	2,5-3 kg/m <sup>2</sup>
Color	White
Adhesive Strength	1,0 N/mm <sup>2</sup>
Compressive Strength (28 Day)	≥18 N/mm <sup>2</sup>
Application Thickness	(average) 2 mm
Fire Reaction Class	A1
Maximum Grain Diameter	2 mm
Dry Powder Density	1,51± 0,2 kg/l
Wet Mortar Density	1,70± 0,2 kg/l

### SURFACE PREPARATION

Application surface should be slightly moistened beforehand There should not be moisture and water accumulation. It's advised to apply Thermo's AS as a decorative plaster primer before the application in hot weathers.

### APPLICATION

**Mixture Ratio:** 25 kg Thermo's DS/6-6,5 L clean water.

**Application:** Prepared material is properly applied with a steel trowel on the surface. THERMO'S DS is imparted pattern with circular movements use of a flat plastic trowel 5 minutes after of applying homogeneously on the surface. While the pattern is imparted, the plastic trowel should be cleaned frequently. Do not apply the product under direct sunlight, strong wind, fog, high relative humidity or extreme rain. Protect the applied surface against to intensive sunlight and to heat up by various reasons until the drying duration is completed. It can paint with exterior paint onto Thermo's DS if desired. It is recommended to wait 7 days under normal conditions after application for painting on it. Avoid direct contact with skin. It should be protected from rain, wind, extreme cold and hot for 12 hours in the outdoor applications. Thermal insulation system application should be performed in accordance with TS 825.



## AS DECORATIVE COVERING PRIMER

### PRODUCT RELEASE

Packaging **15 KG**

**COLOR** White

### FIELDS OF USAGE

It is used as a primer before applying decorative plaster on the thermal insulation systems.

### CHARACTERISTICS

It's ready to use and easy and rapid to apply. It is water based and odourless. It is used with safe in interior & exterior. It has highly adhesion strength. It prevents the rapid water loss of mortar by applied before the cement and gypsum based coverings. It has high resistance to moisture. Thanks to their special polymers, it has high water-proofing characteristics.

### MARSHALL THERMO'S AS DECORATIVE COVERING PRIMER

Chemical Structure	Special resin-modified
Density	1,53 (± 0,03 )
Application Temperature	+0°C/+35°C
Mixture Ratio with Water	Ready to use.(if required, it may be diluted with water up to max 10%).
Drying time (20°C)	8-10 hours (It may vary depending on air temperature)
Consumption	0,200-0,400 kg/m <sup>2</sup> depending on the absorptivity of the surface
pH	7-9

### SURFACE PREPARATION

The surface should be prepared by proper mechanic preparation techniques such as high-pressure water or abrasive equipment. All dust, loose and friable materials should be completely removed off the surface before application of the product, preferably by brush and/or vacuum. Application surface should be dry.

### APPLICATION

**Mixture Ratio:** Ready to use. It mixed with a low speed mixer for minimum 3 seconds in clean pot or its container which is removed off any foreign substance that may prevent the adherence.

**Application:** Priming process should be performed after on the application surface is scrape off all kinds of dust, dirt and loose parts. Priming process should be performed after on the application surface is scrape off all kinds of dust, dirt and loose layers. Irregularity on the surface should be filled with Marshall Exterior Wall Putty. In use of cement-based plaster and repair materials in repairs after the scaffold dismantling, the setting times must be observed. Do not apply the product under extreme wind and direct sunlight. Attention should be paid to the surface temperature is between + 5 °C and + 30°C the during application. Surface must be prevented from frost during primer application and drying time. Primer should be single coat.

### CONSIDERATIONS

- It may cause the irritation by skin contact. Workwear, protective glove, mask and glasses should be used. Before the application, can be used a protective hand cream. In case of contact with eyes, rinse immediately with warm water and consult a doctor.
- Do not add any foreign substance.
- Pre-test is recommended for different applications.
- Attention must be given that the application surface is cured.

### CLEANING THE APPLICATION TOOLS

The equipments should be cleaned by water immediately after the application. Hardened materials can be cleaned mechanically.

### CHARACTERISTICS RELATED TO ENVIRONMENT AND HUMAN HEALTH

It may cause the irritation by skin contact. Workwear, protective glove, mask and glasses should be used. Before the application, can be used a protective hand cream. In the case of eye contact, immediately rinse with warm water and consult a physician. For more detailed information, please contact us.

### LABELLING ELEMENTS

**Warning Statement:** Non classification / **Hazard Statement:** Non classification / **Precautionary Statement:** Non classification

### STORAGE CONDITIONS AD OTHER INFORMATION

- It should be stored in original package, in a cool and dry space, protect from frost.
- Material should not be unpacked until it is used. Package should not be damaged.
- It should be stored on palette in a dry and humid-free space not exposed to direct sunlight in a temperature range of 5 °C / 35°C.
- Shelf life is 12 months in a cool and dry ambient from the manufacture date.



TSE: There is no standard requirement.  
Pos. No: O4.555/O3

### CONSIDERATIONS

- Do not reuse the hardened material by reconstituting.
- For the top coat application should be used the paint primer.
- The product should be always protected from ambient conditions under +5°C, should be covered by nylon or thermal insulation boards should be laid to prevent the product the frost.
- It should be protected at temperatures above +35°C, it should be covered by nylon or thermal insulation boards should be laid to prevent sudden water loss of the production.
- Do not apply the product under direct sunlight, strong wind, fog, high relative humidity or extreme rain. Protect the applied surface against to intensive sunlight and to heat up by various reasons until the drying duration is completed. Avoid direct contact with skin.
- It should be protected from rain, wind, extreme cold and hot for 12 hours in the outdoor applications.

### CLEANING THE APPLICATION TOOLS

The equipments should be cleaned by water immediately after the application. Hardened materials can be cleaned mechanically.

### CHARACTERISTICS RELATED TO ENVIRONMENT AND HUMAN HEALTH

It may cause the irritation by skin contact. Workwear, protective glove, mask and glasses should be used. Before the application, can be used a protective hand cream. In the case of eye contact, immediately rinse with warm water and consult a physician. For more detailed information, please contact us.

### STORAGE CONDITIONS AD OTHER INFORMATION

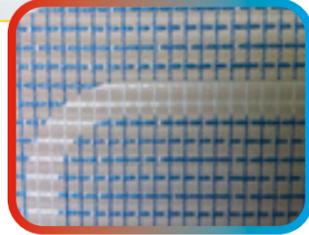
- It should be stored in original package, in a cool and dry space, protect from frost.
- It should not be placed any weight on it. There should be maximum 8 rows on a palette and stowage more than 2 palettes is not allowed.
- Material should not be unpacked until it is used. Package should not be damaged.
- It should be stored on palette in a dry and humid-free space not exposed to direct sunlight in a temperature range of 5 °C / 35°C.
- Shelf life is 6 months in a cool and dry ambient from the manufacture date.



Our product has a national mark that indicates it's safe as per the Construction Materials Regulation. The product is manufactured in accordance with the national technical specifications within the scope of the Conformity Confirmation System 4.



## THERMO'S GW 160 REINFORCEMENT MESH



### DEFINITION

It is fibre reinforcement mesh with very high alkali resistance, used on various plasters, thermal insulation systems and wall insulation.

### CHARACTERISTICS

1. Very high alkali strength, non-slip and high tensile strength.
2. It is very easy to apply with blue colour overlap lines on it.
3. Tested and approved as per ETAG 004 norms.
4. Mesh openings are fixed and standard.

### MARSHALL THERMO'S GW 160 REINFORCEMENT MESH

Opening of a mesh	3,6x3,8 mm	ETAG 004 annex C.3.3
Mesh weight with coating	160 +/- %5	ETAG 004 annex C.3.1
Type of Coating	Alkali resistant	
Color	With White Marshall Thermo's Logo	
Warp direction	≥ 2000 N/50 mm	ETAG 004 5.6.7.1.1
Weft direction	≥ 2000 N/50 mm	ETAG 004 5.6.7.1.1

### CONSIDERATIONS

- It should be kept in its original package in a clean and dry storage area.
- The temperature of the storage area should be between 10 °C – 50 °C
- Shelf life is 5 years if package is not opened.

## THERMO'S SYSTEM DOWELS

### GD Plus Gas Concrete Dowel

Standard dowel with plastic and steel-nail, it provides adhesion strength on concrete, brick, gas concrete and hollow blocks. We suggest using that Thermo's BD Dowel for concrete surfaces and Thermo's GD Plus Gas Concrete Dowel for gas concrete surfaces.

#### Special designed high adherence gas concrete dowel with plastic nail

Depth of Fastening	30 mm
Depth of Hole	45 mm
Diameter of Drill	10 mm
Installation	Percussion
Diameter of Dowel Head	60 mm
Color of Dowel	Navy blue
Power of Fastening	54 kg



### Sub-Basement Profile Installation Screw

Standard dowel with plastic and steel-nail, provides adhesion strength on concrete, brick, gas concrete and hollow blocks. We suggest using that Thermo's BD Dowel for concrete surfaces and Thermo's GD Plus Gas Concrete Dowel for gas concrete surfaces.

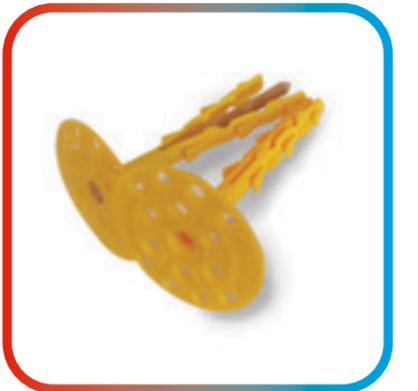
#### Universal dowel with plastic nail

Depth of Fastening	35 mm
Depth of Hole	45-50 mm
Diameter of Drill	8 mm
Installation	Percussion
Diameter of Dowel Head	60 mm
Color of Dowel	Orange
Power of Fastening	59 kg

### UD Dubel

Standard dowel with plastic and steel-nail, provides adhesion strength on concrete, brick, gas concrete and hollow blocks. We suggest using that Thermo's BD Dowel for concrete surfaces and Thermo's GD Plus Gas concrete Dowel for gas concrete surfaces.

Depth of Fastening	35 mm
Depth of Hole	45-50 mm
Diameter of Drill	11 mm
Installation	Percussion
Diameter of Dowel Head	60 mm
Color of Dowel	Yellow
Power of Fastening	56,7 kg



### TD Dowel

Perforated brick dowel with plastic and steel-nail, it provides high adhesion strength on perforated brick and hollow surfaces with its special nibbed design.

#### Perforated brick dowel with plastic and steel-nail

Depth of Fastening	35-40 mm
Depth of Hole	45-50 mm
Diameter of Drill	8 mm
Installation	Percussion
Diameter of Dowel Head	60 mm
Color of Dowel	Orange
Power of Fastening	59 kg

## THERMO'S SYSTEM DOWELS

### SD Dowel

Standard dowel with plastic and steel-nail, provides adhesion strength on concrete, brick, gas concrete and hollow blocks. We suggest using that Thermo's BD Dowel for concrete surfaces and Thermo's GD Plus Gas concrete Dowel for gas concrete surfaces.

#### Standard dowel with plastic and steel-nail

Depth of Fastening	35-40 mm
Depth of Hole	45-50 mm
Diameter of Drill	8 mm
Installation	Percussion
Diameter of Dowel Head	60 mm
Color of Dowel	Yellow
Power of Fastening	56 kg



### BD Dowel

Standard dowel with plastic and steel-nail, provides adhesion strength on concrete, brick, gas concrete and hollow blocks. We suggest using that Thermo's BD Dowel for concrete surfaces and Thermo's GD Plus Gas Concrete Dowel for gas concrete surfaces.

#### Standard dowel with steel-nail

Depth of Fastening	35-40 mm
Depth of Hole	45-50 mm
Diameter of Drill	9 mm
Installation	Percussion
Diameter of Dowel Head	60 mm
Color of Dowel	Yellow
Power of Fastening	80 kg



### Rockwell Dowel

Standard dowel with plastic and steel-nail, it provides adhesion strength on concrete, brick, gas concrete and hollow blocks. We suggest using that Thermo's BD Dowel for concrete surfaces and Thermo's GD Plus Gas concrete Dowel for gas concrete surfaces.

#### Rockwell dowel with steel-nail

Depth of Fastening	35-40 mm
Depth of Hole	50 mm
Diameter of Drill	8-9 mm
Installation	Percussion
Diameter of Dowel Head	90 mm
Color of Dowel	Red
Power of Fastening	56,6 kg



#### CONSIDERATIONS

- Do not come into contact with oxidizing materials.
- Store in original packaging.
- Storage should be dry and cool.
- Storage should be well-ventilated.
- All materials should be kept in their original packaging when not in use.
- Keep away from the heat sources.
- If stored under appropriate conditions, the products do not have any shelf life.

# RENGİNİ SEN KEŞFET!

**Marshall**  
let's colour



## GÖR

Marshall **Gör** & **Boya** uygulamasını telefonunuza indirin. Boyamak istediğiniz mekânın fotoğrafını ya da videosunu çekerek istediğiniz rengi anında duvarlarınızda **görün**.



## PAYLAŞ

Çektiğiniz görüntüleri telefonunuza kaydedin. Sevdiklerinizin beğenilerine sunmak ve fikrini almak için tasarım alternatiflerinizi onlarla **paylaşın**.



## BOYA

Marshall **Gör** & **Boya** uygulamasıyla renginizi seçtikten sonra dilediğiniz Marshall iç cephe boyasıyla mekânlarınızı **boyayın**.

Marshall **Gör** & **Boya** uygulamasını cep telefonunuza hemen ücretsiz indirin!



**AkzoNobel**

**Marshall**  
let's colour

# MARSHALL'DAN USTALARA USTA İŞİ PLATFORM

[ustamburada.com](http://ustamburada.com)



İŞLERİNİN DEĞERİNİ USTALARIMIZ, USTALARIN DEĞERİNİ MARSHALL BİLİR.

**AkzoNobel**