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SIMPUR PM.4215.KH i PM.4225.KH

Anticorrosive satine DTM



Agricultural, Construction & Earthmoving (ACE)



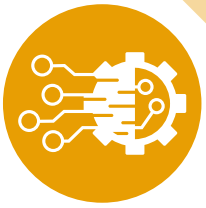
Buses & Truck Cabins



Commercial Vehicles & Cranes



Fork-lift & Handling Equipment



Machinery & Technical Equipment

PRODUCT DESCRIPTION

High-quality anticorrosive satin polyurethane-acrylic DTM. This product is characterized by easy application and excellent aesthetic qualities. Due to its good thixotropy, it can be applied using various methods (airmix, airless, airspray), but the best visual results are achieved with a traditional paint spray gun (airspray). It performs exceptionally well in situations where a quick and efficient painting process is desired.

Its matte counterpart is **PM.4212.KH**.

In combination with primer **PM.1422.RE**, it provides corrosion protection of at least C4-H (C3-VH) level with a system thickness of 120 micrometers (DFT). An additional advantage of this product is its direct adhesion to degreased glass and PVC surfaces.

TECHNICAL DATA

Density at 20°C	1,182-1,337 kg/l	
Delivery viscosity	11” DIN 8 mm	
Solids content of A component	57-64 %	by weight
	48-50 %	by volume
Solids content of A+B mixture	56-62 %	by weight
	49-50 %	by volume
Solids content in RFU (A+B+C)	47-52 %	by weight
	42-44 %	by volume
V.O.C of the product	468-501 g/l	
V.O.C in the mixture (A+B)	287-338 g/l	
Available colours	RAL, NCS, PANTONE and all solid colors used in the automotive industry	
Available hardeners	**PM.6830** (standard), **PM.6230** (standard), **PM.6240** (slow), **PM.6250** (fast)	
Available thinners	**PM.7230** (standard), **PM.7240** (slow)	
Gloss 60°	~ 50 GU	
Theoretical yield	7-8 m^2 (50 µm)	

Recipe of the product in accordance with VOC guidelines (Regulation of the Minister of Economy and Labor of January 16, 2007 on the reduction of VOCs, Regulation of the Minister of Environment of December 20, 2005 on emission standards from installations). The products supplied by our company undergo many factory tests, thanks to which they can meet the highest requirements. However, you should remember about the individual conditions of storage, preparation and application, which may affect the effect of the coating. The guarantee of maintaining the highest quality of the coating is the use of the product only with products from the Producer and in accordance with the Manufacturer's recommendations. The Producer does not guarantee the preservation of the parameters and compatibility of the Products with products not from the Producer. The condition for recognizing the warranty and any claims is the correct application of the technology and technique of using the Products - in accordance with the technical sheet and performing a test spraying before the target painting.

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THE TYPE OF SUBSTRATE TO WHICH THE PRODUCT CAN BE APPLIED

Steel, aluminum and GRP parts protected by old coatings with stable characteristics or in **SIMPLEX/ PROFIX** primers.

SURFACE PREPARATION BEFORE PAINTING

In any case, the surface should be free of any dirt, oxides or grease prior to painting. Fast **CP 015** or slow **CP 016** degreaser can be used to degrease the surface.

Steel, black steel
The primer has direct adhesion to unmated steel surfaces that have been thoroughly cleaned and degreased. For best results, it is recommended that the surface should be pre-treated to at least Sa2.5 or manually matted with abrasives to St3 grade.

Aluminum
Thoroughly degrease and clean the surface. For increased adhesion, we recommend at least matting the surface with a non-woven material (maroon or red 320) or abrasives.

Galvanized steel
In any case, it is recommended to „sweep" the surface with an abrasive material. Due to the varying quality of the zinc, it is recommended to carry out an adhesion test beforehand. The galvanized surface should be seasoned before painting.

Polyester laminates (GRP)
Thorough cleaning and degreasing of the surface. To increase adhesion, it is recommended to at least roughen the surface with a non-woven cloth (maroon or red 320) or abrasives.

Glass, PCV/PVC
Thoroughly clean and degrease the surface. To increase adhesion, it is recommended to at least scuff/dull the surface with a nonwoven abrasive pad (maroon or red, P320) or other abrasives.

PRODUCT PREPARATION

Mixing ratio with hardeners and thinners

CONVENTIONAL SPRAYING traditional spraying gun / airspray / diaphragm pump			
BY WEIGHT	**A**	**B**	**C**
5:1(with **PM.6830**)	100 g	20 g	12-30 g
8:1(with **PM.6230, PM.6240, PM.6250**)	100 g	12,5 g	11-28 g
BY VOLUME	**A**	**B**	**C**
4:1 (with **PM.6830**)	100 parts	25 parts	10-25%
6:1 (with **PM.6230, PM.6240, PM.6250**)	100 parts	16,67 parts	10-25%

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AIRMIX			
BY WEIGHT	**A**	**B**	**C**
5:1(with **PM.6830**)	100 g	20 g	6-18 g
8:1(with **PM.6230, PM.6240, PM.6250**)	100 g	12,5 g	5,5-16,5 g
BY VOLUME	**A**	**B**	**C**
4:1 (with **PM.6830**)	100 parts	25 parts	5-15%
6:1 (with **PM.6230, PM.6240, PM.6250**)	100 parts	16,67 parts	10-25%

AIRLESS			
BY WEIGHT	**A**	**B**	**C**
5:1(with **PM.6830**)	100 g	20 g	6-18 g
8:1(with **PM.6230, PM.6240, PM.6250**)	100 g	12,5 g	5,5-16,5 g
BY VOLUME	**A**	**B**	**C**
4:1 (with **PM.6830**)	100 parts	25 parts	5-15%
6:1 (with **PM.6230, PM.6240, PM.6250**)	100 parts	16,67 parts	10-25%



APPLICATION

The substrate temperature should be at least 3°C higher than the dew point. Application in rooms with adequate ventilation is recommended.







CONVENTIONAL SPRAYING traditional spraying gun / airspray / diaphragm pump			
nozzle	**air pressure**	**air assisted pressure**	**application viscosity DIN 4 mm at 20°C**
1,3-2,0	2-4 BAR	not applicabley	20-28 sec.
AIRMIX			
nozzle	**air pressure**	**air assisted pressure**	**application viscosity DIN 4 mm at 20°C**
0,009-0,013	2-4 BAR	1-2,5 BAR	22-35 sec.
AIRLESS			
nozzle	**air pressure**	**air assisted pressure**	**application viscosity DIN 4 mm at 20°C**
0,011-0,015	2-4 BAR	not applicable	40-60 sec.

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Pot life	Application	FLASH OFF	Roller application
1,5-2 h	1-2 layers 50-100 µm each	10-20 min according from the thickness layers (WFT)	0-10% thinner

DRYING TIME

Dust dry	20 min at 20°C
Ready to handle	60 min at 20°C
Tape free	6 h at 20°C
Touch dry	4 h at 20°C
Through dry	7 days
Drying / heating	30 min at 60°C

The products should be stored in tightly closed packaging in a ventilated and cool room. Recommended storage temperature: 5-30°C. Protect from sunlight. Shelf life: 24 months from date of production.

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