simplex

SIMPUR PM.2212.XB i PM.2222.XB

Polyurethane-polyester topcoat in semi matt



Agricultural, Construction & Earthmoving (ACE)



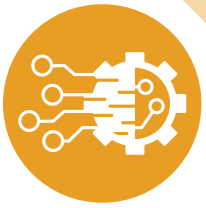
Buses & Truck Cabins



Commercial Vehicles & Cranes



Fork-lift & Handling Equipment



Machinery & Technical Equipment

PRODUCT DESCRIPTION

High-quality topcoat for a wide range of applications. It is characterised by very high quality and hardness. The topcoat has excellent covering power, ease of application and physical and chemical resistance. For both interior and exterior use.
In combination with simplex acrylic pigments, it has significantly higher UV resistance than most similar products on the market. Suitable for conventional airspray and airmix painting. In combination with epoxy primer **PM.1422.RE**, it provides corrosion protection at C4-M (C3-H) level with a system thickness of 120 microns (DFT).
This topcoat has excellent application parameters and a fast-drying time, which improves the work and its efficiency.
Due to its gloss level (semi-matt product), it is recommended for painting vehicle frames or agricultural machines, as well as for painting various technical equipment. Its full-gloss equivalent is **SIMPUR PM.2219.XB.**
By mixing these two products, different (intermediate) gloss levels can be obtained (depending on the ratio in which they are mixed).

TECHNICAL DATA

Density at 20°C	1,024 ± 0,01 kg/l	
Delivery viscosity	19” ± 2 DIN8 (sek.)	
Solids content of A component	45-66 %	by weight
	43,9-64,4 %	by volume
Solids content of A+B mixture	47-65 %	by weight
	45,2-63 %	by volume
Solids content in RFU (A+B+C)	43-59 %	by weight
	41,4-57 %	by volume
V.O.C of the product	656 g/l	
V.O.C in the mixture (A+B)	231-444 g/l	
Available colours	RAL, NCS, PANTONE and all solid colors used in the automotive industry	
Available hardeners	**PM.6230** (standard)**, PM.6240** (slow), **PM.6250** (fast)	
Available thinners	**PM.7230** (standard)**, PM.7240** (slow)	
Gloss 60°	~ 20 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

Apply to clean, sanded, degreased surfaces (e.g. with **CP 015** quick remover or **CP 016** slow remover), or in the wet-on-wet method.

PRODUCT PREPARATION

Mixing ratio with hardeners and thinners

CONVENTIONAL SPRAYING traditional spraying gun / airspray / diaphragm pump			
BY WEIGHT	**A**	**B**	**C**
5:1	100 g	20 g	6-11 g
BY VOLUME	**A**	**B**	**C**
5:1	100 parts	20 parts	5-10 %
AIRMIX			
BY WEIGHT	**A**	**B**	**C**
5:1	100 g	20 g	6-11 g
BY VOLUME	**A**	**B**	**C**
5:1	100 parts	20 parts	5-10%
AIRLESS			
BY WEIGHT	**A**	**B**	**C**
5:1	100 g	20 g	0-11 g
BY VOLUME	**A**	**B**	**C**
5:1	100 parts	20 parts	0-10 %

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APPLICATION

CONVENTIONAL SPRAYING traditional spraying gun / airspray / diaphragm pump			
nozzle	**air pressure**	**air assisted pressure**	**application viscosity DIN 4 mm at 20°C**
1,3-1,8	2-4 BAR	not applicable	18-22 sec.
AIRMIX			
nozzle	**air pressure**	**air assisted pressure**	**application viscosity DIN 4 mm at 20°C**
0,008- 0,011	2,5-4 BAR	2-3 BAR	25-35 sec.
AIRLESS			
nozzle	**air pressure**	**air assisted pressure**	**application viscosity DIN 4 mm at 20°C**
0,008- 0,011	2-4 BAR	not applicable	40-55 sec.

Pot life	Application	FLASH OFF	ROLLER APPLICATION
4h	1,5-2 layers	10-15 min	0-5% thinner

DRYING TIME

Dust dry	30-45 min at 20°C
Ready to handle	3-4 h at 20°C
Tape free	12 h at 20°C
Touch dry	3-4 h at 20°C
Through dry	7 days at 20°C
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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