simplex

SIMPUR PM.2219.XB i PM.2229.XB

Polyurethane-polyester topcoat in full gloss



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 characterized by its very high quality and excellent and long-lasting gloss. The topcoat has excellent covering power, ease of application and physical and chemical resistance. For both exterior and interior applications. Combined with acrylic pigments, **SIMPLEX** has a significantly higher UV resistance than most similar products on the market. This topcoat has excellent application parameters, which makes work more efficient and effective. Suitable for conventional airspray and airmix systems.
In combination with primer **PM.1422.RE**, it provides corrosion protection at C4-M (C3-H) level with a system thickness of 120 micrometers (DFT). It is ideal for painting commercial vehicles, agricultural machinery or forklifts.
Its semi-matt equivalent is **SIMPUR PM.2212.XB**. By mixing these two products, different (intermediate) gloss levels can be obtained (depending on the ratio in which the products are mixed).

TECHNICAL DATA

Density at 20°C	1,009 ± 0,01 kg/l	
Delivery viscosity	53" ± 2 DIN4 (sek.)	
Solids content of A component	40-64 %	by weight
	39,6-63,4 %	by volume
Solids content of A+B mixture	45-65 %	by weight
	43,6-63,1 %	by volume
Solids content in RFU (A+B+C)	43-63 %	by weight
	43,8-64,3 %	by volume
V.O.C of the product	649 g/l	
V.O.C in the mixture (A+B)	225-466 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°	~ 95 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**
4:1	100 g	24 g	13-25 g
BY VOLUME	**A**	**B**	**C**
4:1	100 parts	25 parts	5-15%
AIRMIX			
BY WEIGHT	**A**	**B**	**C**
4:1	100 g	24 g	6-25 g
BY VOLUME	**A**	**B**	**C**
4:1	100 %	25 %	5-15%

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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**
1,3-1,6	1,8-3 BAR	nie dotyczy	18-22 sec.
AIRMIX			
nozzle	**air pressure**	**air assisted pressure**	**application viscosity DIN 4 mm at 20°C**
0,009- 0,013	2- 3 BAR	2-3 BAR	25-35 sec.

Pot life	**Application**	**FLASH OFF**	**Roller application**
4 h	1,5-2 layers 50-100 each	10-15 min at 20°C	0-5% thinner

DRYING TIME

Dust dry	30-45 min at 20°C
Ready to handle	1,5-2,5 h at 20°C
Tape free	10 h at 20°C
Touch dry	1,5-2,5 h at 20°C
Through dry	7 day at 20°C
Drying / heating	30 min at 60°C

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