



SIMPUR PM.1321.EK

Polyurethane Primer GREY/ WHITE



**Agricultural,
Construction
& Earthmoving
(ACE)**



**Buses
& Truck
Cabins**



**Commercial
Vehicles
& Cranes**



**Fork-lift
& Handling
Equipment**



**Machinery
& Technical
Equipment**

PRODUCT DESCRIPTION

High-quality polyurethane anti-corrosive primer for a wide range of applications. Recommended especially for wet-on-wet systems due to its fast re-coating time (even after 20 minutes*) and lack of tendency to „pull” gloss. It leaves a smooth and even surface, resulting in an excellent quality paint coating after applying the topcoat.

An additional advantage is the ability to quickly sand this primer, as early as about 90 minutes at a thickness of 80 micrometers DFT. It performs exceptionally well in both traditional airspray application and high-pressure airless and airmix spraying, thanks to its good thixotropy. It can be overcoated with various types of 2K products. The best visual effects and a final high level of gloss are achieved when combined with the polyurethane-polyester topcoat **SIMPLEX PM.2219.XB**.

TECHNICAL DATA

Density at 20°C	1,47 +/- 0,02 kg/dm ³	
Delivery viscosity	1420 mPas (viscometer)	
Solids content of A component	68 %	by weight
	46,5 %	by volume
Solids content of A+B mixture	61,2 %	by weight
	50 %	by volume
Solids content in RFU (A+B+C)	55,6 %	by weight
	49,2 %	by volume
V.O.C of the product	468,3 g/l	
V.O.C in the mixture (A+B)	529 g/l	
Available colours	○ ● (similar to RAL 7035)	
Available hardeners	PM.6330 (dedicated), PM.6230 (standard), PM.6240 (slow), PM.6250 (fast)	
Available thinners	PM.7230 (standard), PM.7240 (slow)	
Gloss 60°	~ 10 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.



SUBSTRATES TO WHICH THE PRODUCT CAN BE APPLIED

Steel, polyester laminates, and coatings with stable characteristics or prepared on **SIMPLEX/PROFIX** primers suitable for overcoating with 2K products.



SURFACE PREPARATION PRIOR TO PAINTING

We apply to surfaces that are cleaned, sanded, degreased (e.g., with fast evaporating **CP 015** or free **CP 016**), or in a wet-on-wet method depending on the applied primer.

For steel, black steel:

For best results, it is recommended to prepare the surface to at least Sa2.5 or manually sand the surface using abrasive materials up to grade St3.

For polyester laminates:

Thoroughly clean and degrease the surface. To enhance adhesion, it is recommended to at least sand the surface with a non-woven material (maroon or red 320) or abrasive materials.



PRODUCT PREPARATION

Mixing ratio with hardeners and thinners

CONVENTIONAL SPRAYING			
traditional spraying gun / airspray / diaphragm pump			
BY WEIGHT	A	B	C
6:1 (z PM.6330)	100 g	16,67 g	12-24 g
10,5:1 (z PM.6230)	100 g	9,52 g	11-22 g
BY VOLUME	A	B	C
4:1 (z PM.6330)	100 parts	25 parts	10-20 %
7:1 (z PM.6230)	100 parts	14,3 parts	10-20 %
AIRMIX			
BY WEIGHT	A	B	C
6:1 (z PM.6330)	100 g	16,67 g	6-18 g
10,5:1 (z PM.6230)	100 g	9,52 g	5,5-16,5 g
BY VOLUME	A	B	C
4:1 (z PM.6330)	100 parts	25 parts	5-15 %
7:1 (z PM.6230)	100 parts	14,3 parts	5-15 %
AIRLESS			
BY WEIGHT	A	B	C
6:1 (z PM.6330)	100 g	16,67 g	0-18 g
10,5:1 (z PM.6230)	100 g	9,52 g	0-16,5 g
BY VOLUME	A	B	C
4:1 (z PM.6330)	100 parts	25 parts	0-15 %
7:1 (z PM.6230)	100 parts	14,3 parts	0-15 %



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
1,5-1,8	2 BAR	not applicable
AIRMIX		
nozzle	air pressure	air assisted pressure
0,011-0,013	2-4 BAR	1,5-3,5 BAR
AIRLESS		
nozzle	air pressure	air assisted pressure
0,011-0,015	2-4 BAR	not applicable



Pot life

2-3h



Application

1-2 layers
50-100 µm each



FLASH OFF

5-10 min
depending on
the thickness of
the layers (WFT)



Roller application

0-2%
thinner



DRYING TIME

Dust dry	15-20 minutes at 20°C
Ready to handle	45-60 minutes at 20°C
Tape free	2 hours at 20°C
Touch dry	45-60 minutes at 20°C
Through dry	7 days
Drying / heating	30 minutes 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.