



SIMPUR PM.2319.IZ | PM.2329.IZ

Polyurethane Binder



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



**Buses
& Truck
Cabins**



**Commercial
Vehicles
& Cranes**



**Fork-lift
& Handling
Equipment**



**Machinery
& Technical
Equipment**

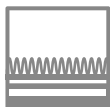
PRODUCT DESCRIPTION

An excellent polyurethane gloss topcoat, characterised by a high thixotropy not often found in products with such a high gloss. In combination with Simplex pigments, it forms a durable coating with high aesthetic qualities. This product is characterised by its high covering power (even with yellow colours) ease of application and no tendency to "run off". It leaves a smooth and pleasing to the eye surface with a gloss of more than 90%. It can be applied by various methods (airmix, airless, airspray), but the best visual results are achieved with a traditional spray gun (airspray).

TECHNICAL DATA

Density at 20°C	0,995 ± 0,01	
Delivery viscosity	180 sec. ± 5 DIN4 (sec.)	
Solids content of A component	55-64 %	by weight
	53-61 %	by volume
Solids content of A+B mixture	56-63 %	by weight
	53-60 %	by volume
V.O.C of the product	422 g/l	
V.O.C in the mixture (A+B)	313-443 g/l	
Available colours	RAL, NCS, PANTONE and most Solid colours used in the automotive industry	
Available hardeners	PM.6230, PM.6240, PM.6250	
Available thinners	PM.7230, PM.7250, CP 040	
Gloss 60°	> 90%	
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.

Do not apply directly to steel, galvanised steel and aluminium.

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
4:1	100 g	24 g	30-45 g
BY VOLUME	A	B	C
4:1	100 parts	25 parts	25-35%
AIRMIX			
BY WEIGHT	A	B	C
4:1	100 g	24 g	25-40 g
BY VOLUME	A	B	C
4:1	100 %	25 %	20-30%
AIRLESS			
BY WEIGHT	A	B	C
4:1	100 g	24 g	18-30 g
BY VOLUME	A	B	C
4:1	100 %	25 %	15-25%



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
1,3-1,8	2-3 BAR	not applicable	18-25 sec..
AIRMIX			
nozzle	air pressure	air assisted pressure	Application viscosity DIN 4 mm at 20°C
0,008- 0,013	2- 4 BAR	0,5-1,5 BAR	30-40 sec.



Pot life

3-4 h



Application

1-2 layers
40-80 µm each (WFT)



FLASH OFF

10-20 min
depending on
the thickness of
the layers (WFT)



Roller application

0-10%
thinner



DRYING TIME

Dust dry	20-30 minutes at 20°C
Ready to handle	1 h at 20°C
Tape free	8 h at 20°C
Touch dry	2 h at 20°C
Through dry	7 days at 20°C
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.