



## SIMPUR PM.4219.RX i PM.4229.RX

### Anticorrosive gloss DTM



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



**Buses  
& Truck  
Cabins**



**Commercial  
Vehicles  
& Cranes**



**Fork-lift  
& Handling  
Equipment**



**Machinery  
& Technical  
Equipment**

### PRODUCT DESCRIPTION

High-quality polyurethane-acrylic primer-enamel with a glossy finish. When combined with Simplex pigments, it creates a durable and smooth coating with high aesthetic value. This product is characterized by easy application and no tendency to run. It leaves a very smooth and visually pleasing surface with a high gloss (over 92% gloss) and good reflectivity. It can be applied using various methods (airmix, airless, aerospray), but the best visual results are achieved with traditional spray gun application (aerospray).

It's an excellent choice wherever a fast and efficient painting process is desired.

### TECHNICAL DATA

<b>Density at 20°C</b>	1,123 kg/l	
<b>Delivery viscosity</b>	11" DIN 8 mm	
<b>Solids content of A component</b>	60-69 %	by weight
	52-55 %	by volume
<b>Solids content of A+B mixture</b>	60-69 %	by weight
	52-55 %	by volume
<b>Solids content in RFU (A+B+C)</b>	45-52 %	by weight
	43-47 %	by volume
<b>V.O.C of the product</b>	474-519 g/l	
<b>V.O.C in the mixture (A+B)</b>	288-356 g/l	
<b>Available colours</b>	RAL, NCS, PANTONE and all solid colors used in the automotive industry	
<b>Available hardeners</b>	<b>PM.6230, PM.6240, PM.6250</b>	
<b>Available thinners</b>	<b>PM.7230, PM.7240</b>	
<b>Gloss 60°</b>	~92%	
<b>Theoretical yield</b>	8-9m <sup>2</sup> (50µm)	

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, galvanized surfaces, polyester laminates, as well as coatings with stable characteristics or those prepared with **SIMPLEX/PROFIX** primers suitable for overcoating with 2K products.



## SURFACE PREPARATION BEFORE PAINTING

Apply to surfaces that have been cleaned, sanded, and degreased (e.g., with fast cleaner **CP 015** or slow cleaner **CP 016**), or using the wet-on-wet method depending on the primer used.

### 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.



## 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	25-45g
BY VOLUME	A	B	C
4:1	100 parts	25 parts	20-30%

AIRMIX			
BY WEIGHT	A	B	C
5:1	100 g	20 g	13-27 g
BY VOLUME	A	B	C
4:1	100 parts	25 parts	10-20%

AIRLESS			
BY WEIGHT	A	B	C
5:1	100 g	20 g	13-27 g
BY VOLUME	A	B	C
4:1	100 parts	25 parts	10-20%



## 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
1,5-1,8	2-4 BAR	not applicable	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.



## Pot life

2-3 h



## Application

1-2 layers  
50-100 µm each



## FLASH OFF

10-20 min  
according  
from the thickness  
layers (WFT)



## Roller application

0-10%  
thinner



## DRYING TIME

<b>Dust dry</b>	20 min at 20°C
<b>Ready to handle</b>	60-90 min at 20°C
<b>Tape free</b>	6 h at 20°C
<b>Touch dry</b>	4 h at 20°C
<b>Through dry</b>	7 days
<b>Drying / heating</b>	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.