

simplex

SIMPOX PM.1422.RE

Fast Drying Epoxy Primer



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



**Buses
& Truck
Cabins**



**Commercial
Vehicles
& Cranes**



**Fork-lift
& Handling
Equipment**



**Machinery
& Technical
Equipment**

PRODUCT DESCRIPTION

Excellent quality epoxy primer with zinc phosphate. Wherever the quality of the coating and the speed and efficiency of the process matter, this primer will be an excellent choice.

The fast-drying time (approx. 45 minutes) and the ability to sand after only approx. 3 hours allows for improved paint production processes.

The thixotropy of the product makes it possible to apply up to 200 µm of product without any signs of sagging while maintaining good smoothness without sanding.

The primer can be applied to various types of steel, aluminum or galvanized surfaces. It has excellent adhesion to cleaned and degreased, non-matted steel.

It can be repainted with all types of 2K products. In combination with **SIMCRYL PM.2119.XU** and **PM 2112.XU**, as well as **SIMPUR PM.2219.XB** and **PM.2212.XB**, it provides corrosion protection at the C4-M level (according to UNE-EN ISO 12944) from a total system thickness of 120 µm.

TECHNICAL DATA

Density at 20°C	1,48 ± 0,01 kg/l	
Delivery viscosity	8" ± 2 DIN8 (sek.)	
Solids content of A component	72,2 %	by weight
	49,3 %	by volume
Solids content of A+B mixture	65,1 %	by weight
	53,4 %	by volume
Solids content in RFU (A+B+C)	56,6 - 59,2 %	by weight
	47,17 - 49,3 %	by volume
V.O.C of the product	411 g/l	
V.O.C in the mixture (A+B)	489 g/l	
Available colours	●	
Available hardeners	Standard epoxy hardener PM.6430	
Available thinners	CP 030 (Thinner for epoxy primer)	
Gloss 60°	~ 20%	
Theoretical yield	7-8 m ² (80 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, aluminum, galvanized steel, polyester laminates (GRP)



SURFACE PREPARATION PRIOR TO PAINTING

In any case, the surface should be free of any dirt, oxides or grease prior to painting. Fast **CP 015** or slow **CP 016** degreaser can be used to degrease the surface.

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	21 g	11-28 g
BY VOLUME	A	B	C
3:1	100 parts	33 parts	10-25%
AIRMIX			
BY WEIGHT	A	B	C
5:1	100 g	21 g	11-28 g
BY VOLUME	A	B	C
3:1	100 parts	33 parts	10-15%
AIRLESS			
BY WEIGHT	A	B	C
5:1	100 g	21 g	0-6 g
BY VOLUME	A	B	C
3:1	100 parts	33 parts	0-5%



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
1,4-2,0	1,8-2,0 BAR	not applicable	17-25 sek.
AIRMIX			
nozzle	air pressure	air assisted pressure	application viscosity DIN 4 mm at 20°C
0,011-0,015	2-3 BAR material: 70-120 BAR	2 BAR	35-40 sek.
AIRLESS			
nozzle	air pressure	air assisted pressure	application viscosity DIN 4 mm at 20°C
0,011-0,015	2-3 BAR material: 70-120 BAR	not applicable	50-60 sek.



Pot life

3h



Application

2 layers
50-100 µm each



FLASH OFF

15-20 min
depending on
the thickness of
the layers (WFT)



Roller application

0-5%
thinner



DRYING TIME

Dust dry	~ 45 min
Ready to handle	3 h
Tape free	3 h
Touch dry	2 h
Through dry	7 days
Drying / heating	30 min w 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.