

simplex

SHOP PRIMER PN.1722.BE

Polyvinyl, weldable, anticorrosive primer 1K



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



**Buses
& Truck
Cabins**



**Commercial
Vehicles
& Cranes**



**Fork-lift
& Handling
Equipment**



**Machinery
& Technical
Equipment**

PRODUCT DESCRIPTION

High-quality, corrosion-resistant, weldable 1K shop-primer for various applications. As a low-molecular shop-primer, it adheres well to most types of steel, as well as aluminum and galvanized steel. It is known for its very fast drying time and the ability to be overcoated. Due to its long „open time” (up to 6 months), it can be successfully used as a temporary protective primer, for example in the steel construction market. It can be repainted with both 1K and 2K products. However, it is not recommended to apply polyester putty directly on this primer. Excellent adhesive and anti-corrosion properties make it suitable for protecting industrial machinery and equipment, as well as in the vintage car and agricultural machinery markets. This primer can be safely welded, as it does not emit toxic gases. Its excellent surface smoothness allows for use in „wet on wet” systems. When combined with Simplex topcoats, it creates a durable coating with good anti-corrosion protection. It can even withstand baking at temperatures up to 160 degrees Celsius.

TECHNICAL DATA

Density at 20°C	1 +/-0,02	
Delivery viscosity	50-70 sec. (DIN-4)	
Solids content of A component	38,6 %	by weight
	25,6 %	by volume
V.O.C of the product	592 g/l	
V.O.C in the mixture (A+B)	774 g/l	
Available colours	●	
Available thinners	PM.7530	
Gloss 60°	~15 GU (semi-matt)	
Theoretical yield	11-12 m ² (30 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, galvanized steel, polyester laminates (GRP)



SURFACE PREPARATION BEFORE 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 ratios with thinners As a 1K product, it requires only 50 to 70% dilution with **PM.7530** alkyd thinner - depending on your needs and the type of application you choose.



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	2-3 BAR	not applicable	15-20 sec.
AIRMIX			
nozzle	air pressure	air assisted pressure	application viscosity DIN 4 mm at 20°C
0,011-0,015	2-3 BAR	1,5-2,8 BAR	22-30 sec.



APPLICATION

1,5-2 layers of
20-50 µm each



FLASH OFF

5-10 min
depending on
the layers (WFT)



DRYING TIME

Dust dry	15-20 min at 20°C
Ready to handle	1 h. at 20°C
For wrapping	6 h. at 20°C
Touch dry	30-45 min at 20°C
Through dry	30 days

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.