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Epoxy Primer GF, series 7073000/GF

Description and main features

Two pack, high build, glass flake epoxy primer.

High anti corrosive properties, resistance to temperature and to chemical aggression. Excellent abrasion resistance. Good resistance to acids, gasoline, ethyl alcohol, xylene, most hydraulic oils.

Recommended use: as a primer on steel structures where abrasion resistance is a must.

Technical data

Finish	Semi-gloss (*)
Color	RAL shades on request (*) (**)
Specific gravity	1,25 ± 0,05 kg/dm ³ at 23°C, cured according to ISO 2811-1 (*)
Solid content	By weight 79 ± 3% referring to the cured product (*)
	By volume 71 ± 3% referring to the cured product (*)
VOC	210 g/kg referring to the cured product (*)
Viscosity	Brookfield on the base at 23°C (spindle 5, 0.5 RPM) : 400.000-500.000 mPas according to internal method MS 007 (*) (**)
Drying time	At 23°C ,50% RH, good ventilation, DFT 150 µm Touch dry: 8 h Hard dry: 20 h Touch dry: according to internal method MS 035 based on ISO 4622 Hard dry: according to internal method MS 036 based on ISO 4622 (*)
	Drying times can vary depending on DFT and environmental conditions

Mixing and thinning

Mixing ratio	By weight: 100:8 with 701477 <i>Mix carefully before and after the curing process</i>
Pot life	> 6 h at 20°C - <i>Data vary with temperature and thinning.</i>
Thinning	5-10% by Thinner 900033 or 901040 winter type 5-10% by Thinner 903015 or 901042 summer type 5-10% by Thinner 903014 slow or when applied on top of Zinc Rich Epoxy or Inorganic Zinc Silicate <i>Chose the thinner according to the environmental and application conditions in order to allow at least 5-10' drying time.</i>



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Application data

Method	Airless or air mix <i>for brush or roller application, specific curing agent and thinners must be used</i>	
Airless or air mix	Pump ratio	45:1
	Nozzle orifice	015-017"
	Nozzle pressure	140-180 atm
	<i>Filters must fit the used nozzle.</i>	
<i>Indicative data; it is the user's responsibility to choose the right equipment.</i>		
Suggested Primers	None	
Application conditions	Application suggested between 5°C and 35°C and at least 3°C above dew point. Substrate perfectly dry and clean, no rain nor fog. A sandblasting to SA2½ according to ISO 8501-1: 1988 allows the best performance in terms of chemical-mechanical strength. Data vary with DFT and environmental conditions.	

Recommended DFT

Recommended DFT	150-250 µm
Theoretical consumption	ca. 265-440 g/m ² referring to the cured product (*)
Practical spreading rate	30-40% lower than the theoretical, by airless application.
Number of coats	ONE or TWO

Storage indications

Shelf life: 12 months (base only: 18 months), provided the cans are kept sealed and undamaged, into a cool and dry place with temperature between 5 and 35°C.

Usability according to DL 27.03.2006 n°161

No limitations. It belongs to category j) Two component, high performance solvent based paints.
2010 limit = 500 g/l

(*) indicative value, depending on the color - (**) parameters subject to testing for each batch

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