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Glass Flake Phenolic Epoxy Lining, series 7077401

Description and main features

Two pack, high build, glass flake phenolic epoxy lining.
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 lining for interior of tanks and pipelines, even in the presence of hot water.

Technical data

Finish	Semi-gloss (*) (**)
Color	Grey. Other shades on request (*) (**)
Specific gravity	1,25 ± 0,05 kg/dm³ at 23°C when cured, according to ISO 2811-1 (*)
Solid content	**By weight** 79 ± 3% when cured (*)
	By volume 71 ± 3% when cured (*)
VOC	210 g/Kg when cured (*)
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 according to internal method *MS 035* based on *ISO 4622* **Hard dry**: 20 h 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:** 100:47 with 701475 **By volume**:1,4: 1 with 701475 *Mix carefully before and after the curing process*
Pot life	> 8 h at 20°C - *Data vary with temperature and thinning.*
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 used on top of Inorganic Zinc Silicate *Chose the thinner according to the environmental and application conditions in order to allow at least 5-10' drying time.*

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Application data

Method	Airless o air mix by the relevant pre-heater *for brush or roller application, specific curing agent and thinners must be used.*	
Airless or air mix	**Pump ratio**	45:1
	Nozzle orifice	015-017”
	Nozzle pressure	140-180 atm
	Filters must fit the used nozzle.	
	Indicative data; it is the user’s responsibility to chose the right equipment.	
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 SA 2 ½ according to ISO 8501-1: 1988 ensures the best performance in terms of salt spray resistance.	

Recommended DFT

Recommended DFT	150-250 µm
Theoretical consumption	approx. 265-440 g/m² when cured (*)
Practical spreading rate	30-40% lower than the theoretical, by airless application.
Number of coats	ONE or TWO according the requested durability

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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