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RETRON AS Lining, series 738.500/not accelerated

Description and main features

Solvent free, high build polyurethane lining. Good adhesion to steel, excellent hardness, very good chemical and impact resistance. Application by bi-mixer equipment, airmix or airless.

Recommended use: as a one coat lining for buried tanks

Technical data

Finish	Glossy
Color	Grey code 738502. Other shades on request (*)
Specific gravity	1,43 ± 0,05 kg/dm ³ at 23°C, referring to 738502 RAL 7042 cured (*)
Solid content	By weight 100% referring to 738502 RAL 7042 cured (*)
	By volume 100% referring to 738502 RAL 7042 cured (*)
Viscosity	On the mix at 23°C DIN cup n°8 : 60 - 90" according to ISO 2431 (*) (**)
Drying time	<i>At 23°C ,50% RH, good ventilation, DFT 400 µm</i> Touch dry: 6 h according to internal method MS 035 based on ISO 4622 Hard dry: 15 h according to internal method MS 036 based on ISO 4622 (*)
	<i>Drying times can vary depending on DFT and environmental conditions</i>

Mixing and thinning

Mixing ratio	By weight: 100:28 with 730051 By volume: 3:1 with 730051 <i>Mix carefully before and after the curing process</i>
Pot life	30-50' Data vary with temperature
Thinning	Ready to use

Application data

Method	Bi-mixer pump, Airless, Air mix	
Bi-mix Airless airmix	Pump ratio	60:1
	Nozzle orifice	021-023"
	Nozzle pressure	140-180 atm
	<i>Filters must fit the used nozzle.</i>	
<i>Indicative data; it is the user's responsibility to chose the right equipment.</i>		



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Suggested Primers	None
Application conditions	Application suggested between 10°C and 30°C and at least 3°C above dew point. Substrate perfectly dry and clean, no rain nor fog.

Recommended DFT

Recommended DFT	800-1000 µm
Theoretical consumption	approx. 1144 -1430 g/m ² referring to 738502 RAL 7042 cured (*)
Practical spreading rate	30-40% lower than the theoretical, by airless application.
Number of coats	ONE or more if the tanks is stationary or rotating

Specific tests

Dielectric strength

The product complies with EN 12285-1:2003 (E) at 800 µm DFT.

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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