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RETRON AG Enamel, series 776.500

Description and main features

Two pack high gloss polysiloxane enamel.

Excellent flexibility, hardness, colour and gloss retention; good resistance to weathering. Anti graffiti properties.

Recommended use: as a finish coat on top of acrylic or ST epoxy primers in severely corrosive environments

Technical data

Finish	Glossy, above 80 gloss, according to ISO 2813 (*) (**)
Color	RAL shades - Other shades on request (*) (**)
Specific gravity	1,15 ± 0,05 kg/dm ³ at 23°C, referring to 776529 white cured with 730028 according to ISO 2811-1 (*)
Solid content	By weight 68 ± 3% referring to 776529 white cured with 730028 (*)
	By volume 60 ± 3% referring to 776529 white cured with 730028 (*)
VOC	320 g/Kg referring to 776529 white cured with 730028 (*)
Viscosity	On the base at 23°C DIN cup n°4 : 100-140" according to ISO 2431 (*) (**)
Drying time	<i>At 20°C ,50% RH, good ventilation, DFT 70 µm, referring to 776259 white</i>
	Touch dry: 15 h
	Hard dry: 30 h
	Antigraffiti effect: after 7 days
	<i>Touch dry: according to internal method MS 035 based on ISO 4622</i>
	<i>Hard dry: according to internal method MS 036 based on ISO 4622 (*)</i>
	<i>Drying times can vary depending on DFT and environmental conditions</i>

Mixing and thinning

Mixing Ratio	By weight: 100:20 with 730028 <i>Mix carefully before and after the curing process</i>
Pot life	> 8 h at 20°C. <i>Data vary with temperature and thinning.</i>
Thinning	0-5% by Thinner 900033 or 901040 winter type 0-5% by Thinner 903015 or 901042 summer type 0-5% by Thinner 903014 slow <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. Brush or roller are not recommended for the application of metallic shades.</i>	
Airless or air mix	Pump ratio	30:1
	Nozzle orifice	011-013"
	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	Epoxy ST series 703.000 or Retron Acrilico series 773.000 according to the environment.	
Application conditions	Application suggested between 5°C and 30°C and at least 3°C above dew point. Substrate perfectly dry and clean, no rain nor fog. The product can not be over coated.	

Recommended DFT

Recommended DFT	40-80 µm
Theoretical consumption	approx. 80-160 g/m ² referring to 776529 white cured with 730028 (*)
Practical spreading rate	30-40% lower than the theoretical, by airless application.
Number of coats	ONE <i>Some very clear shades such as RAL 1021-2004-3020 etc. may require two coats to achieve an even coverage, mostly on dark primers and uneven surfaces.</i>

Storage indications

Shelf life: 12 month, 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



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

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