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## INDUSTRIAL COATINGS

Issued 18.05.2010

### RETRON ACRILICO Enamel AS, series 7722.000

#### Description and main features

Two pack high volume and high build polyurethane enamel

Good wetting properties, high chemical and physical strength. Excellent flexibility, hardness; good colour and gloss retention; good resistance to weathering and to abrasion. It can be applied on steel, hot dipped galvanized steel and concrete. Curing Agent 730034 improves the chemical resistance of the product.

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

#### Technical data

<b>Finish</b>	Semi-gloss, 45-70 gloss, according to ISO 2813 (*) (**)
<b>Color</b>	RAL shades - Other shades on request (*) (**)
<b>Specific gravity</b>	1,37 ± 0,05 kg/dm <sup>3</sup> at 23°C, referring to 7722034 grey RAL 7032 cured according to ISO 2811-1 (*)
<b>Solid content</b>	<b>By weight</b> 79 ± 3% referring to 7722034 grey RAL 7032 cured (*)
	<b>By volume</b> 68 ± 3% referring to 7722034 grey RAL 7032 cured (*)
<b>VOC</b>	210 g/kg referring to 7722034 grey RAL 7032 cured (*)
<b>Viscosity</b>	Brookfield on the base at 23°C (spindle 4, 0.5 RPM) : 40.000-80.000 mPas according to internal method MS 007 (*) (**)
<b>Drying time</b>	At 20 °C ,50% RH, good ventilation, DFT 80 µm, referring to 7722034 grey RAL 7032
	<b>Touch dry:</b> 15 h <b>Hard dry:</b> 36 h
	<i>Touch dry:</i> according to internal method MS 035 based on ISO 4622 <i>Hard dry:</i> 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

<b>Mixing ratio</b>	<b>By weight:</b> 100:12 with 730028 <b>By volume:</b> 6,5:1 with 730028 <i>Mix carefully before and after the curing process</i>
<b>Pot life</b>	> 8 h at 20 °C. <i>Data vary with temperature and thinning.</i>
<b>Thinning</b>	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

<b>Method</b>	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>	
<b>Airless or air mix</b>	<b>Pump ratio</b>	30:1
	<b>Nozzle orifice</b>	011-013"
	<b>Nozzle pressure</b>	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>		
<b>Suggested Primers</b>	Epoxy primers series 706.000, 706.250, 706.300 AR, 703.000, 7073.000, Vinyl Epoxy primer series 704.000 or Retron Acrilico series 773.000 or series 7721.000. It can be applied, further to testing, on most of the one component primers and of the water based primers.	
<b>Application conditions</b>	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. It can be over coated by itself further to surface cleaning and slight roughening.	

### Recommended DFT

<b>Recommended DFT</b>	50-120 µm
<b>Theoretical consumption</b>	ca. 100-240 g/m <sup>2</sup> referring to 7722034 grey RAL 7032 cured (*)
<b>Practical spreading rate</b>	30-40% lower than the theoretical, by airless application.
<b>Number of coats</b>	ONE or TWO <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 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



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

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