



www.zetagi.it

zetagi

Veneziani

INDUSTRIAL COATINGS

Issued 28.03.2011

RETRON ACRILICO Enamel AS ZnP, series 7721.000

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 epoxy primers in severely corrosive environments; as a single coat system on steel and hot dipped galvanized steel; as an intermediate in multi coat systems.

Technical data

Finish	Satin, 30-40 gloss according to ISO 2813 (*) (**)
Color	RAL shades - Other shades on request (*) (**)
Specific gravity	1,44 ± 0,05 kg/dm ³ at 23°C, referring to 7721933 red RAL 3009 cured according to ISO 2811-1 (*)
Solid content	By weight 81 ± 3% referring to 7721933 red RAL 3009 cured (*) By volume 68 ± 3% referring to 7721933 red RAL 3009 cured (*)
VOC	190 g/kg referring to 7721933 red RAL 3009 cured (*)
Viscosity	Brookfield on the base at 23°C (spindle 4, 0.5 RPM) : 50.000-100.000 mPas according to internal method MS 007 (*) (**)
Drying time	At 20 °C ,50% RH, good ventilation, DFT 100 µm, referring to 7721933 red RAL 3009 Touch dry: 15 h Hard dry: 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

Mixing ratio	By weight: 100:12 with 730028 By volume: 6:1 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>



www.zetagi.it

zetagi

Veneziani

INDUSTRIAL COATINGS

Application data

Method	Airless o 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	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 chose the right equipment.</i>		
Suggested Primers	None. Zinc Rich Epoxy series 706176-706192-706220-706181. Epoxy primers series 706.000, 706.250,706.300 AR, 703.000,7073.000, Vinyl Epoxy primer series 704.000.	
Suggested Topcoats	Retron Acrilico series 778.000 or 777.000, Retron Acrilico AS series 7722.000	
Application conditions	<p>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.</p> <p>When applied on steel, a sandblasting to SA 2 ½ according to ISO 8501-1: 1988 ensures the best performance in terms of salt spray resistance. When applied on hot dipped galvanized steel, a light sand blasting or hot hydro jetting and perfect rinsing are recommended. Galvanizing has to be carried out according to ISO 1461. When applied on old paints, mechanical tool cleaning to PSt2.</p> <p>It can be over coated by itself or by Retron Acrilico Enamel series 777.000-778.000 and AS series 7722.000; it can be over coated by polyurethane, alkyds and fast drying finishes, wet on wet with no max. over coating time. Long over coating times may require a careful surface cleaning .</p>	

Recommended DFT

Recommended DFT	80-120 µm
Theoretical consumption	ca. 180-270 g/m ² referring to 7721933 red RAL 3009 cured (*)
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 ever coverage, mostly on dark primers and uneven surfaces.</i>



www.zetagi.it

zetagi

Veneziani

INDUSTRIAL COATINGS

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

The information in this data sheet about the use of our products are based on our present scientific knowledge and practice. Zetagi accepts no commitment and / or responsibility on the final result of the work with our products. It is the customer's responsibility to verify the suitability of our products for the intended use. All the products and the advice given are subject to our general conditions of sale which we recommend you to request and read carefully. This data sheet replaces and annuls the previous ones: it is the user's responsibility to ensure that this sheet is updated prior to using the product. This data sheet is a translation; the Italian text of this document shall prevail over any translation thereof.