



www.zetagi.it

zetagi

Veneziani

INDUSTRIAL COATINGS

Issued 01.06.2012

Zinc Rich Epoxy Primer ZN 80, series 706192

Description and main features

Two pack zinc rich epoxy primer. Very high zinc content, featuring the best anti corrosive and adhesion properties. Compliant to SSPC Paint 20, type 2, level 2.

Fast drying, solvent resistant, it withstands severe atmospheric exposure. The product must be over coated if exposed to welding fumes, acid spillages or chemical agents.

Recommended use: as a primer on two-three coat paint systems on blasted steel surfaces and equipment under severe chemical and environmental exposure; it can be over coated by epoxies, two pack acrylics, vinyl epoxies, chlorinated rubbers.

Technical data

Finish	Flat
Color	Grey
Specific gravity	2,50 ± 0,05 kg/dm ³ at 23°C, cured according to ISO 2811-1 (*)
Solid content	By weight 83 ± 3% when cured (*)
	By volume 53 ± 3% when cured (*)
VOC	170 g/Kg when cured (*)
Viscosity	Brookfield on the base at 23°C (spindle 5, 0.5 RPM) : >300.000 mPas according to internal method MS 007 (*) (**)
Drying time	At 23°C ,50% RH, good ventilation, DFT 70 µm, Touch dry: 4 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 (*)
	<i>Drying times can vary depending on DFT and environmental conditions</i>

Mixing and thinning

Mixing ratio	By weight: 100:10 with 701450 By volume : 2,9:1 with 701450 <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	5 % with 900033 winter type 5 % with 906007 summer type/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	
Airless or air mix	Pump ratio	30:1
	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	
Suggested intermediate	Retron Acrilico series 773.000, Epoxy primer or intermediate series 706.000, 706.250,706.300 AR, 703.000 or 7073.000, Vinyl Epoxy primer series 704.000 or chlorinated rubber series 741.000.	
Application conditions	<p>A sandblasting to SA 2 ½ according to ISO 8501-1: 1988 is strongly recommended; mix carefully the quantity to be applied. Pick up the mixture from a can continuously stirred to prevent the zinc to quickly settle, due to its high specific gravity. 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. Temperatures lower than 5 °C can impair the film formation.</p> <p>The product can be over coated after 16 h from the application; no max over coating time. After a long time, a careful cleaning is needed before over coating. Over coating with alkyd paints is not recommended.</p> <p>Data vary with DFT and environmental conditions</p>	

Recommended DFT

Recommended DFT	60-80 µm
Theoretical consumption	approx. 280-380 g/m ² when cured (*)
Practical spreading rate	30-40% lower than the theoretical, by airless application.
Number of coats	ONE



www.zetagi.it

zetagi

 **Veneziani**

INDUSTRIAL COATINGS

Specific tests

Cross-cut test according to ISO 2409

≤ Gt 1

Pull-off adhesion test according to ISO 4624

≥ 2 MPa

Zinc content

≥ 80% dry. Compliant to SSPC Paint 20, type 2, level 2. (according to ISO 12944-5, 5.2)

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.

(*) 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.