



www.zetagi.it

zetagi

Veneziani

INDUSTRIAL COATINGS

Revision 10.09.2010

EPOXY BITUMINOUS COVERING ST AS TIX, series 708.300/TIX

General information and field of application

Two components product formulated with liquid epoxy resins and special synthetics substitute of tar, to reticulate with polyamide/amide catalyst to guarantee high flexibility, wetting of support and better resistance to water; however resistance to solvents is reduced.

The particular characteristics of this product allowed it to be applying without dripping till high thicknesses.

We suggest using it for high thickness varnishing for structures of iron and concrete and particularly:

- Structures immersed in fresh water as for example river installation and hydro-electrics installations
- Structures immersed in salt water or as for example port installations with structures as sea-wall and mole.
- Structures bury on earth as for example tanks, piles and steel tubes.
- Tubes or container for fresh water , see water or dung with resistance to temperature till 65°C

This product can be applied even if presence of high humidity and low temperatures .Do not apply for alimentary use.

Must be used with **catalyst epoxy ST AS reference 701468** for general use

with **catalyst epoxy 459 reference 701459** to obtain solvent free coatings

Can be used also on top of epoxy or inorganic zinc for systems requiring high protection and durability.

Characteristics of product

Appearance	Semi-glossy (*) (**)
Color	Black reference 708319. Other RAL color on demand. (*) (**)
Specific weight	1,25 ± 0,05 kg/dm ³ at 23°C, referring to 708319 black catalyzed with 701468 (*) 1,26 ± 0,05 kg/dm ³ at 23°C, referring to 708319 black catalyzed with 701459
Solids	By weight 92 ± 3% referring to 708319 black catalyzed with 701468 (*) By weight 100% referring to 708319 black catalyzed with 701459
	By volume (solids by volume) 89 ± 3% referring to 708319 black catalyzed with 701468 (*) 100% referring to 708319 black catalyzed with 701459
VOC	80 g/kg referring to 708319 black catalyzed with 701468 (*)
Viscosity	Brookfield on first component at 23°C (spindle 3, 0.5 RPM) :150.000-200.000 mPas (*) (**)
Drying	<i>At 23°C,50% of relative humidity and good ventilation with a dry film thickness of 150 μ referring to 708319 black with catalyst 701468</i>
	Out of print : 24 h according to inner method MS 035 based on norm ISO 4622 Completely hard : 32 h according to inner method MS 036 based on norm ISO 4622 (*) <i>Drying times can vary with thickness and environmental conditions.</i>



www.zetagi.it

zetagi

Veneziani

INDUSTRIAL COATINGS

Mixing and dilution

Mixing ratio	<p>By weight : 100:40 with 701468 100:20 with 701459</p> <p>By volume: 2:1 with 701468 3,8:1 with 701459</p> <p><i>Make sure of the right mix of the product both before and after catalyst.</i></p>
Pot life	<p>About 4 h at 20°C with 701468 About 30' at 20°C with 701459</p> <p><i>Unsteady data with temperature and dilution.</i></p>
Dilution	<p>0-5% with 900033 or 901040 wintry 0-5% with 903015 or 901042 summery 0-5% with 903014 delaying or when used upper zinc.</p> <p><i>Adapt the kind of thinner according to environmental and applicative conditions to guarantee an out of dust not less than 5-10'.</i></p>

Instructions for application

Application	<p>Spray airless or air-mix with appropriate pre-warming. <i>For application with roller or paint brush ask specific hardeners and thinners.</i></p>	
Airless o air-mix	Compression ratio	60:1
	Nozzle	021-023"
	Exit pressure	140-180 atm
	<i>Filters have to be adapted to the used nozzle.</i>	
		<i>Unsteady data to be value each time by the applier.</i>
Recommended primers	<p>Auto-primer. Can be applied also upper epoxy zinc reference 706176 - 706192 or inorganic zinc references 760205-760210.</p>	
Preparation of surface and application conditions.	<p>We suggest application with temperature ranging between 0°C and 30°C and at least 3 μ degrees above the dew point, on surface perfectly clean. A previous sandblasting of support till SA 2 ½ according to norm ISO 8501-1: 1988, follows by the application of a coat of primer INORGANIC ZINC ref. 760205-760210 or EPOXY ZINC reference 706176 706192, and then the EPOXY BITOUMINOUS COVERING ST AS TIX, is suitable to give a system with the higher performance in terms of resistance to saline fog test .</p>	

Thickness and rendering

Recommended thickness of dry film	150-400 μ by coat. For structures immersed in water or buries reach in two coats the total thickness of 700 μ according to norm EN 12285-1:2003 (E)
--	---



www.zetagi.it

zetagi

Veneziani

INDUSTRIAL COATINGS

Theoretical consumption referring to thickness of dry film	About 210-560 g/m ² referring to 708319 black catalyzed with 701468. (*) About 190-500 g/m ² referring to 708319 black catalyzed with 701459
Practical rendering	40-50 % less, if correctly used, according to the form of support, over spray and difficulty to obtain a homogeneous thickness.
Number of coat to apply	One or two according to use and durability requested.

Particular test

The product is in accordance to norm EN 12285-1:2003 (E) about dielectrics rigidity to thickness of 700 μ.

Resistance to temperature

Till 65°C

Storage indications

Product is stable to storage till 18 month for epoxy bituminous covering and 12 months for catalyst in a cool and dry place and **must be stored in a cover place, dry and ventilated.**

Utilization according to DL 27.03.2006 n°161

No limitation.

Belongs to category: j) Two components paint with high performance, solvent base; limit for 2010 = 500 g/l

(*) Parameters can vary for each colour out of standard or upon request of customer.

(**) Parameters checked for each lot. Upon specific request of customer we can inform about inner methods for tests.