

TECHNICAL DATA SHEET

BIG4.B0001

EPOX HS HIGH THICKNESS WHITE

Creation date 21/09/16 Rev. 3

GENERAL CHARACTERISTICS		
<p>EPOX HS HIGH THICKNESS is a two-component epoxy paint suitable for use in thick waterproofing and protective coatings, for iron and cement tanks or tanks designed to contain substances such as industrial, waste, acid and alkaline water.</p> <p>The chemical and physical properties of cross-linked paint give good resistance to aggressive chemicals, film elasticity and durability.</p>		
CHARACTERISTICS OF THE SUPPLY PRODUCT		
		NOTES
SPECIFIC WEIGHT	1.84 ± 0,1 Kg/l	
VISCOSITY	R4 5400cP at T. 20°C	
SOLID CONTENT	80 ± 1% (weight) 68 ± 1% (volume)	Theoretical
SPREAD RATING: (50 µm dry)	Theoretical: 8,5 m²/Kg	
VOC gr/l (Dir. 2010/75/CE)	409 gr/l	
AVAIAABLE DYES	White	
CATALYSIS	Catalyze at 20% with HDR5.H001 Weight: 100 (A) + 20 (B) Volume: 100 (A) + 35 (B)	
PRODUCT NATURE	High molecular weight epoxy resins, polyamides or polyamide adducts.	

TECHNOLOGICAL CHARACTERISTICS AND RESISTANCE TESTS	
CORROSION RESISTANCE (ASTM B 117 salt spray test) internal test	(dry film thickness: 150 micron - aging 20 days at 25°C) after 1000 hours blistering absent, rust does not move 0.5 mm away from the engravings
APPLICATION MODE	
CONVENTIONAL SPRAY	20% dilution with dil. Epoxy Nozzle pressure: 2.2 mm - Air pressure: 3-4 atm
AIRLESS SPRAY	10-15% dilution with dil. Epoxy Nozzle pressure 019" - 021". Pressure 150 bar
RECOMMENDED THICKNESS	Thicknesses ranging from 50 to 250 microns per layer can be achieved.
HARDENING	
OUT DUST	40 min



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TOUCH FREE	2 hours
IN DEPTH	24 hours
COMPLETE DRYING	15 days
<p>Drying problems can arise in environments with a temperature lower than 7 °C and relative humidity higher than 85 %; the application must in any case be carried out at a temperature of at least 3 °C above dew point, in a non-rainy or foggy atmosphere and on a dry and clean substrate. EPOX HS HIGH WHITE THICKNESS is able to withstand continuous temperatures between -50 and +90 °C, for temperatures below -50 or above +90 °C, the functionality of the coating is not guaranteed. The complete cross-linking takes place after 20 days at 20°C, even at the maximum recommended thickness of 250 microns.</p>	

OVERPAINTING
Overpaintable after 8 h and within 48 h (without sanding, after 48 h it will be necessary to roughen the surfaces by a slight mechanical roughening).
SURFACES PREPARATION
The substrate to be painted must preferably be sandblasted, otherwise, the surfaces must be carefully conditioned before being painted, completely eliminating flakes of lamination and old paints that are detaching or unsuitable for overpainting with this product. In these cases, in addition to possible mechanical cleaning, it is necessary to provide for an accurate degreasing with special organic solvents or hot water cleaner.
ENVIRONMENTAL CONDITION
The temperature of the substrate and exterior must be at least 3 degrees above dew point.
TOOLS CLEANINGS
Tools can be cleaned from the uncured product with DILUENTE NITRO ANTINEBBIA.
STORAGE
In cool and dry place, and in well sealed tin, the product is stable for at least 12 months.

The information on this data sheet is indicative and based on our knowledge derived from experience and experimentation and can in no way constitute a guarantee. The buyer/user decides independently the suitability of the product with respect to his own needs in the context of the specific field of use. Please refer to the relevant toxicological data sheet for safety information.