

TECHNICAL DATA SHEET

BIG4.B0001

ALTOPOX HS

Creation date
Latest update
Rev. 5

21/09/16
03/11/22

GENERAL CHARACTERISTICS		
<p>ALTOPOX is a two-component surface-tolerant epoxy primer suitable for industrial uses and surfaces like iron and concrete tanks or reservoirs containing substances such as industrial, waste, acid and alkaline water.</p> <p>The chemical and physical properties of the cross-linked paint provide good resistance to aggressive chemicals, film elasticity and durability.</p>		
CHARACTERISTICS OF THE SUPPLY PRODUCT		
		NOTES
SPECIFIC WEIGHT	1.3 ± 0,1 Kg/L (Part A) 1,25 ± 0,1 Kg/lt (A+B)	Theoretical
VISCOSITY	R4 5500 cP 20°C	Part A
SOLID CONTENT	88 ± 1% by weight (A+B) 83 ± 1% by volume (A+B)	Theoretical
SPREAD RATING: (100 µm dry)	5-6 m ² /Kg 6-7 m ² /L	Theoretical
AVAIALE DYES	White - Grey - Beige	
CATALYSIS	Catalyze with HDRB.H001 Weight: 100 (A) + 25 (B) Volume: 100 (A) + 30 (B)	
PRODUCT NATURE	High molecular weight epoxy resins, polyamides and polyamide adducts.	

TECHNOLOGICAL CHARACTERISTICS AND RESISTANCE TESTS	
APPLICATION MODE	
CONVENTIONAL SPRAY	If necessary with dil. Epoxy Nozzle pressure: 2.2 mm - Air pressure: 3-4 atm
AIRLESS SPRAY	If necessary with dil. Epoxy Nozzle pressure 019" - 021". Pressure 150 bar
HARDENING	
DUST FREE	40 min
TOUCH FREE	2 hours
IN DEPTH	24 hours
COMPLETE HARDENING	15 days
<p>ALTOPOX can withstand continuous temperatures of -50 to +90°C. For temperatures below -50 or above +90°C, the functionality of the coating is not guaranteed. Complete cross-linking occurs after 20 days at 20°C, even at the maximum recommended thickness of 250 microns.</p>	



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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 degreased and cleaned before being painted, completely eliminating flakes of lamination and old paints residues that are detaching or unsuitable for overpainting. 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
Curing problems may occur in environments with a temperature below 7 °C and relative humidity above 85 %; however, suggested temperature for application is at least 3 °C above dew point
TOOLS CLEANINGS
Tools can be cleaned from the uncured product with NITRO THINNER.
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.