



TECHNICAL DATA SHEET

5BG4.Z40

VIVEPOX ZINC BASED Z40

Creation date
Latest update
Rev.

23/09/15
03/12/24
2

GENERAL INFORMATIONS		
Two-component epoxy-polyamide primer with a high zinc powder content, corrosion inhibitor for ferrous surfaces. It is suitable as a base for subsequent finishing with epoxy, synthetic polyurethane paints, etc.. It is used for applications on surfaces exposed to particularly corrosive atmospheres, for use in the chemical industry, oil industry, food industry, shipbuilding, construction and industrial bodywork. The applied paint produces an opaque film.		
CHARACTERISTICS OF THE SUPPLY PRODUCT		
		NOTES
SPECIFIC WEIGHT	2,42 ± 0,1 Kg/L 2,34 ± 0,1 Kg/L (A+B)	
VISCOSITY	R4 16000 ± 2000 cP 20°C	Brookfield method
SPREAD RATING (75µm dry)	3,2 m²/Kg	Theoretical
SOLID CONTENT	74,5 ± 1% (weight) 58 ± 1% (volume)	Theoretical calculation
AVAILABLE DYING	Zinc grey	
CATALYSIS	10% with HDR5.ZINCA (by weight)	
PRODUCT NATURE	High molecular weight epoxy resins, polyamide and amine adducts.	

TECHNOLOGICAL CHARACTERISTICS AND RESISTANCE TESTS	
RESISTANCES	
ATMOSPHERIC AGENTS	Medium
NORMAL INDUSTRIAL ATMOSPHERE	Excellent
HEAVY INDUSTRIAL ATMOSPHERE	Excellent
MARINE ATMOSPHERE	Good
HIGH HUMIDITY ENVIRONMENTS	Good
ALTERNATING IMMERSION IN WATER	Excellent
CONTINUOUS IMMERSION IN WATER	Good
ORGANIC ACIDS	Medium
INORGANIC ACIDS AND ALKALIS	Good
ALIFATICALS	Very good
AROMATICS	Medium
ALCOHOLS	Good
ACID SALTS	Very good
ALKALINE SALTS	Very good
OILS AND FATS	Good
CORROSION RESISTANCE (SALT FOG TEST ASTM B 117) OVERPAINTED PRODUCT	[dry film thickness: 85 micron - aging 10 days at 25°C]. After 1400 hours blistering absent, rust does not move 0.5 mm away from the engravings



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APPLICATION MODE	
BRUSH, ROLLER	This system is indicated only on limited areas as it does not allow a particularly homogeneous distribution of the film thickness. Dilution 5-10% with dilution. Slow epoxy
SPRAY	Dilution 10-15% with dil. Epoxy Nozzle Ø: 1.9- 2.2 mm Air pressure: 3-4 atm.
AIRLESS SPRAY	Nozzle Ø: 0,025÷0,030" - compression ratio 30:1 Outlet pressure 130÷150 atm
For spraying with airless equipment, since the product contains non-micronised fillers, the filters must be removed or replaced with others with a lower mesh count. It is necessary, when spraying, that the material taken from the gun comes from a low-pressure tank and under agitation, in order to prevent the zinc from sedimenting due to its high specific weight and its particular grain size.	
DRYING	
DUST FREE	10-15 min
TOUCH FREE	1 hours
DEEP DRY	24 hours
COMPLETE DRYING	7-10 days

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). 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.
SURFACES PREPARATION
The ferrous substrate must be thoroughly degreased in accordance with norm. SSPC-SP1. USE IN INLET: White metal sandblasting SIS Sa3 (standard SSPC-SP5-82-NACE#1) up to an engraving depth of 50±25µm. Weld slag, oxides or any other impurities must be carefully removed. OTHER USES: Commercial sandblasting SIS Sa2 (SSPC-SP6-82-NACE#3) up to an engraving depth of 50±25µm.



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ENVIRONMENTAL CONDITIONS
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 the DILUENTE NITRO ANTINEBBIA.
STORAGE
In cool and dry place, and in well sealed tin, the product is stable for at least 12 months. Its catalyst, in the same conditions as part A, at least 6.

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.