

TECHNICAL DATA SHEET

5XG4H

VIVEPOX FONDO TIXO HYBRID

Creation date 03/03/2019
Rev. 0

GENERAL CHARACTERISTICS		
Two-component epoxy-polyamide primer with zinc phosphates, corrosion inhibitor for ferrous surfaces, suitable as primer for difficult metal surfaces (galvanized sheet metal, aluminum, light alloys, etc.). It is suitable for exposure in corrosive atmospheres, for use in the chemical industry, oil industry, food industry, shipbuilding, construction and industrial bodywork, in combination with epoxy and polyurethane finishes, rapid drying, etc.. depending on the aesthetic requirements and / or resistance over time of the combined cycle. Thanks to the organ-silanic modification it can be used as primer for ceramic surfaces.		
FINISHED PRODUCT FEATURES		
		NOTES
SPECIFIC WEIGHT	1.55 ± 0,1 Kg/L	1.45 ± 0.1 Kg/L (A+B)
VISCOSITY	R4 4000 cP at T. 20°C	Brookfield method
SOLID CONTENT	75 ± 1% (weight) 62 ± 1% (in volume)	Theoretical (A+B)
SPREAD RATE: (50 µm Dry)	8.5 m²/Kg	Theoretical
CATALYSIS RATIO	Weight: 100 (5BG4.SL126) + 20 (HDR5N020) Volume: 100 (5BG4.SL126) + 30 (HDR5N020)	
AVAILABLE DYES	Oxyde gray, RAL 7035, red oxyde, at sample	
PRODUCT NATURE	Epoxy resin	

TECHNOLOGICAL CHARACTERISTICS AND RESISTANCE TESTS	
RESISTANCE	
ATMOSPHERIC AGENTS	Good
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	Very good
ALCALI	Very good
ALIFATICALS	Very good
AROMATICS	Good
ALCOHOLS	Good
ACID SALTS	Excellent
ALCALINI SALTS	Excellent
OILS AND FATS	Very good
BENDING 4 mm (ISO 1519/89)	OK
GRID (DIN 53131 - UNI 630) (0=100% adhesives; 5= 0% adhesives)	0

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TEMPERATURES	VIVEPOX FONDO can withstand continuous temperatures from -50 to +90 °C, for temperatures below -50 or above +90 °C, the functionality of the coating is not guaranteed. The product is able to withstand even peaks of 120-130°C for 5-10 minutes.
CORROSION RESISTANCE (ASTM B 117)	
<p>Dry film thickness: 85 micron - aging 10 days at 25°C</p> <p>After 800 hours blistering phenomenon is absent, the corrosion does not move 2 mm away from the engraving. When overpainted with 2AG2 (ACRIVIV 70.100 series) or 3AG1 (GLOSSY VIVPUR series), 5XG4H resists over 1200 hours to salt mist test.</p> <p>A three layers cycle (400µm final dry thickness), applied on sandblasted ferrous surfaces and composed by a first coat of 5BG4.SL237 (VIVEPOX E99), an intermediate layer of 5XG4H and a final coat of 2AG2 or 3AG1, resists 1500 in salt mist test without evident defects and lasts a total of 1800 hours.</p>	
APPLICATION MODE	
BRUSH ROLLER	Dilution 5/10% with DILUENTE EPOSSIDICO
SPRAY	Dilution 10-20% DILUENTE NITRO ANTINEBBIA Nozzle pressure: 3-4 atm Nozzle diameter: 1.8 mm
SPRAY AIRLESS	Dilution 5% with EPOSSIDIC DILUENT Nozzle pressure: 150 atm Nozzle size: 0.025-0.030" Spray angle: 40 -80°
POT LIFE	4 Hours (high temperatures can also significantly reduce the time of use)
HARDENING	
DUST FREE	40 min
DEEP HARDENING	24 hours
COMPLETE DRY	15 days
<p>Particularly cold temperatures or environments with high relative humidity can slow down or modify the characteristics of the system, which is affected during the painting phase by atmospheric conditions. It is therefore recommended to apply and dry the system initially in environments with a temperature of more than 10-15 °C and a maximum relative humidity of 75 %.</p>	
OVERPAINTING	
<p>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).</p>	
ENVIRONMENTAL CONDITION	
<p>At temperatures above 25-30°C it is advisable to use a special retardant thinner or a larger quantity of the thinner usually used, in</p>	



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order to avoid the formation of dots and bubbles (pin points) on the paint film.
Light rain, high humidity or condensation during the 16 hours following application (20°C) can irreversibly corrupt the film formation.
The temperature must be at least 3 degrees above the dew point.

SURFACES PREPARATION

The substrate to be painted should preferably be sandblasted. The product is SURFACE TOLLERANT; the surfaces, before being painted, must be carefully conditioned by completely eliminating flakes of lamination and old paints that are detaching or not suitable for overpainting with this product. In these cases, in addition to possible mechanical cleaning, it is necessary to provide an accurate degreasing with special organic solvents or hot water cleaner.

TOOLS CLEANINGS

The tools can be cleaned from the uncured product with DILUENTE NITRO ANTINEBBIA.

STORAGE

In a cool and dry place, protected from direct sunlight and in a well sealed can, VIVEPOX FONDO is stable for at least 12 months, the CATALIZER at least 6 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.