Vivcolor s.r.l.

TECHNICAL DATA SHEET
5XG4
VIVEPOX TIXO PRIMER

Creation date 19/03/15
Latest update 12/07/21
Rev. 1

GENERAL CHARACTERISTICS
Two-component thixotropic epoxy-polyamide primer with zinc phosphates, corrosion inhibitor for ferrous surfaces, suitable as primer for difficult metal surfaces (galvanized sheet metal, aluminium, 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.

CHARACTERISTICS OF THE SUPPLY PRODUCT		
		NOTES
SPECIFIC WEIGHT	1.55 ± 0,1 Kg/L	1.45 ± 0.1 Kg/L (A+B)
VISCOSITY	R4 9000 cP at T. 20°C	Brookfield method
SOLIDS CONTENT	76 ± 1% (weight) 64 ± 1% (volume)	Theoretical (A+B)
SPREAD RATING: (100 µm dry)	4.5 m²/Kg	Theoretical
CATALYSIS RATIO	Weight: 100 (5XG4) + 20 (HDR5N020) Volume: 100 (5XG4) + 35 (HDR5N020)	
AVAIABLE DYES	Oxide gray, RAL 7035 gray, oxide red, as a sample	
PRODUCT NATURE	Epoxy resin	

TECHNOLOGICAL CHARACTERISTICS AND RESISTANCE TESTS	
RESISTENCES	
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 TIXO 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.
CORROSION RESISTANCE (ASTM B 117)	
Dry film thickness: 85 micron - aging 10 days at 25°C 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), 5XG4 resists over 1200 hours to salt mist test. A three layers cycle (400 µm final dry thickness), applied on sandblasted ferrous surfaces and composed by a first coat of 5BG4.SL237 (VIVEPOX E99), an intermediate layer of 5XG4 and a final coat of 2AG2 or 3AG1, resists 1500 in salt mist test without evident defects and lasts a total of 1800 hours.	
APPLICATION MODE	
BRUSH, ROLLER	Diluition 5/10% with EPOXY THINNER
SPRAY	Diluition 10-20% EPOXY THINNER Nozzle pressure: 3-4 atm Nozzle diameter: 1.8 mm
SPRAY AIRLESS	Dilution 5% with EPOXY THINNER 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 DRYING	15 days
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 %. Light rain, high humidity or condensation during the 16 hours following application (20°C) can irreversibly corrupt the film formation.	
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).	
ENVIRONMENTAL CONDITIONS	
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	

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 dew point.

SURFACES PREPARATION

The substrate to be painted must preferably be sandblasted, otherwise, the surfaces, before being painted, must be carefully conditioned by 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.

TOOLS CLEANINGS

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 tin, VIVEPOX FONDO TIXO is stable for at least 12 months, the CATALIZER at least 6 months.