



TECHNICAL DATA SHEET
5DG4.FEOX
VIVEPOX PRIMER TIXO FEOX

Creation date 02/03/20
Latest update 16/12/24
Rev. 2

GENERAL CHARACTERISTICS		
<p>Two-component micaceous epoxy-polyamide corrosion inhibitor primer for ferrous surfaces, suitable as a primer for difficult metal surfaces (galvanised sheet metal, aluminium, light alloys, etc.) and for treating cement surfaces.</p> <p>It is suitable for exposure to corrosive atmospheres, for use in the chemical industry, oil industry, food industry, shipbuilding, construction and industrial bodywork, in combination with epoxy, polyurethane, fast-drying etc. finishes, depending on the aesthetic and/or durability requirements of the combined cycle.</p>		
FINISHED PRODUCT CHARACTERISTIC		
		NOTES
SPECIFIC WEIGHT	1.89 ± 0,1 Kg/L	1.45 ± 0.1 Kg/L (A+B)
VISCOSITY	Tixotropic	Brookfield method
SOLIDS CONTENT	76 ± 1% (weight)	Theoretical (A+B)
SPREAD RATING: (50 µm dry)	8.5 m ² /Kg	theoretical
CATALYSIS RATIO	Weight: 100 (5BG4) + 20 (HDR5N020)	
AVAILABLE COLORS	Grey oxid	
NATURE OF THE PRODUCT	Epoxy resin	

TECHNOLOGICAL CHARACTERISTICS AND RESISTANCE TESTS	
<i>RESISTENCAS</i>	
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% adhesium; 5= 0% adhesium)	0



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TEMPERATURES	VIVEPOX PRIMER TIXO FEOX is able to 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)	
Dry film thickness: 85 micron - aging 10 days at 25°C After 400 hours blistering absent, the corrosion does not move 2 mm away from the engraving.	
APPLICATION MODE	
BRUSH, ROLLER	Dilution 5/10% with EPOXY THINNER
SPRAY	Dilution 15-25% NITRO THINNER Nozzle pressure: 3-4 atm Nozzle diameter: 1.8 mm
AIRLESS SPRAY	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 change the system's characteristics.	
OVERPAINTING	
Overpaintable after 8 h and within 48 h (without sanding, after 48 h it will be necessary to roughen surfaces by light mechanical roughening).	
ENVIRONMENTAL CONDITIONS	
At temperatures above 25-30°C it is advisable to use a suitable retardant thinner or a larger amount of the thinner normally used, in order to avoid the formation of dots and bubbles (pinpricks) on the paint film. Light rain, high humidity or the formation of 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. We recommend application and initial drying in rooms with a temperature above 10-15 °C and a relative humidity of max. 75 %.	

Vivcolor s.r.l.



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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

Tools can be cleaned from the uncured product with NITRO THINNER.

STORAGE

In a cool and dry place, protected from direct sunlight and in a well sealed can, this product 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.