



TECHNICAL DATA SHEET
5BG4K
VIVEPOX FONDO RUSTLINKER

Creation date
13/01/20 Rev. 0

GENERAL CHARACTERISTICS		
Two-component epoxy-polyamide primer with zinc phosphates specially formulated for application on oxidized ferrous substrates. Due to its peculiar ability to protect oxidized substrates, it is particularly suitable for application on these substrates for exposure in corrosive atmospheres, for use in the chemical industry, oil industry, food industry, shipbuilding and industrial bodywork, in combination with epoxy and polyurethane finishes, rapid drying, etc.. finding use mainly in on-site maintenance.		
CHARACTERISTICS OF THE SUPPLY PRODUCT		
		NOTES
SPECIFIC WEIGHT	1.55 ± 0,1 Kg/L	1.45 ± 0.1 Kg/L (A+B)
VISCOSITY	R4 9500 cP at T. 20°C	Brookfield method
SOLIDS CONTENT	72 ± 1% (weight) 62 ± 1% (volume)	Theoretical (A+B)
YIELD: (50 µm dry)	8.5 m ² /Kg	Theoretical
CATALYSIS RATIO	Weight: 100 (5BG4) + 20 (HDR5N020) Volume: 100 (5BG4) + 30 (HDR5N020)	
AVAIABLE DYES	Oxide gray, RAL 7035 gray, oxide red, as a sample	
NATURE OF THE PRODUCT	Epoxy resin	

CARATTERISTICHE TECNOLOGICHE E PROVE DI RESISTENZA	
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
QUADRETTATURA (DIN 53131 - UNI 630) (0=100% adeso; 5= 0% adeso)	0
TEMPERATURES	VIVEPOX FONDO can withstand continuous temperatures from -50 to +90 °C, for



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	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	Diluizione 5/10% con DILUENTE EPOSSIDICO
SPRAY	Dilution 10-20% DILUENTE NITRO ANTINEBBIA Nozzle pressure: 3-4 atm Nozzle diameter: 1.8 mm
AIRLESS SPRAY	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 operating time)
HARDENING	
FUODUST 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 %.	
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 after application (20°C) can irreversibly corrupt the film formation. The temperature must be at least 3 degrees above dew point.	
SURFACES PREPARATION	
The oxidized ferrous support to be painted must be previously brushed to remove rust that is not well anchored and then degreased. In case of pre-existing coatings, make sure that they can be overpainted with VIVEPOX FONDO RUSTLINKER (also by testing), remove the parts of paint that are not well anchored to the piece (by mechanical treatments) and	

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then continue with the painting.
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.