# Vivcolor s.r.l.

TECHNICAL DATA SHEET 0BG4 VIVEPOX FONDO MC





Creation date06/12/17 Rev. 1

### **GENERAL INFORMATIONS**

Anti-corrosion primer for ferrous materials, anchor for subsequent painting phases on galvanized sheet metal\*, light alloys\* and aluminium\*. Equipped with rapid drying, it offers good resistance to chemical agents, acids and alkalis, thanks to the peculiarities of the particular epoxy polymer that makes up this paint.

It is suitable for the painting of manufactured articles, machine parts, etc. subjected to heavy industrial atmospheres; it is therefore used in the oil, food, naval, industrial bodywork, etc. industry. The applied product produces an opaque film.

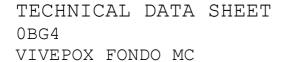
\*after verification of adhesion

## FINISHED PRODUCT CHARACTERISTICS

		NOTES
SPECIFIC WEIGHT	$1.4 \pm 0,1 \text{ Kg/lt}$	
VISCOSIT	R3 3850 cP at 20°C	Brookfield method
SOLIDS CONTENT	68 ± 1% (weight) 49 ± 1% (volume)	Theoretical
Yield: (50 m dry)	6,8 m <sup>2</sup> /Kg	Theoretical
OPACITY	0-5 Gloss	Glossmeter 60°
VOC gr/l (Dir. 2010/75/EC)	435.68 g/L	
AVAILABLE COLORS	Grey RAL 7046 and on request, according	
	to RAL tinting system or sample system	
CATALYSIS	This product does not requirecatalysis	
NATURE OF THE BINDER	Epoxy resin esterified	

TECHNOLOGICAL CHARACTERISTICS AND RESISTANCE TESTS		
RESISTANCES		
ATMOSPHERIC AGENTS	Medium	
NORMAL INDUSTRIAL ATMOSPHERE	Good	
HEAVY INDUSTRIAL ATMOSPHERE	Excellent	
MARINE ATMOSPHERE	Good	
HIGH HUMIDITY ENVIRONMENTS	Good	
ALTERNATING IMMERSION IN WATER	Excellent	
CONTINUOUS IMMERSION IN FRESH	Good	
WATER		
CONTINUOUS IMMERSION IN SEA WATER	Good	
ORGANIC ACIDS	Medium	
INORGANIC ACIDS AND ALKALIS	Good	
ALIFATICALS	Very Good	
AROMATICS	Good	
ALCOHOLS	Good	
ACID SALTS	Excellent	
ALCALINI SALTS	Excellent	
OILS AND FATS	Very Good	

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APPLICATION MODE		
BRUSH, ROLLER	Dil. 10% with DILUENTE SINTETICO or	
	DILUENTE EPOSSIDICO	
SPRAY	Dilution 15-25 % DILUENTE NITRO	
	ANTINEBBIA or DILUENTE EPOSSIDICO.	
	Nozzle pressure: 3 bar	
	Nozzle diameter: 1.2 mm	
HARDENING TIMES		
DUST FREE	15-20 min	
TOUCH FREE	50 min	
DEEP HARDENING	12 hours	
COMPLETE DRYING	7 days	

Hardening times may vary considerably depending on the thickness applied. A high thickness can compromise deep drying. Temperature can also have a significant influence on the temperature, especially on the evaporation of solvents. The temperature of the substrate must be at least 3 degrees above the dew point.

#### **OVERPAINTING**

VIVEPOX FONDO M.C. can be repainted with itself wet on wet, after 2-3 hours with mono-component paints based on low aggressive solvents, after at least 12 hours with all the other products.

### SURFACES PREPARATION

The ferrous metal support must preferably be sandblasted, otherwise, the surfaces must be carefully conditioned before being painted, 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.

New galvanized sheets must be aged naturally by exposure to atmospheric agents for about one month (until the surfaces are no longer greasy polished) or artificially with strongly oxidizing chemical agents (e.g. hydrochloric acid dil. 10%).

Substrates made of aluminum or other metal alloys must generally be made porous by sanding; however, it is recommended to check from time to time that the product has the desired adhesion.

#### **ENVIRONMENTAL CONDITIONS**

The product suffers from the influence of temperature mainly as regards the evaporation of solvents; however, it is recommended to avoid the application on wet surfaces or surfaces susceptible to condensation, for this reason the temperature of the substrate must be above the dew point of at least 3°C.

#### **TOOLS CLEANINGS**

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

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### **STORAGE**

In cool and dry place, and in well sealed tin, the product is stable for at least 12 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.