



TECNICAL DATA SHEET

5VG4

VINIYL-EPOXY PRIMER

Creation date 25/06/19

Rev. 2

GENERAL INFORMATIONS		
Corrosion inhibitor 2K vinyl-epoxy primer. Suitable for difficult metal surfaces (galvanised surfaces, aluminium and light alloy). It can be used in chemical, oil, naval and constructions industries and in combination with epoxy, poliuretanic, acrylic and fast-dry topcoats. The vinyl modification gives particular ease to a possible overcoating even after a long time from the application of the base coat.		
PHISICAL AND CHEMICAL CHARACTERISTICS		
		NOTES
SPECIFIC WEIGHT	1.55 ± 0,1 Kg/L (A) 1,45 ± 0,1 Kg/L (A+B)	
VISCOSITY	R4 9500 CP a 20°C	Brookfield Method
SOLID CONTENT	72 ± 1% (by weight) 62 ± 1% (by volume)	Theoretical A+B
SPREAD RATING: (50µm dry)	8,5 m ² /Kg	Theoretical
AVAILABLE DYES	Grey, RAL 7035, red oxide and on request.	
CATALYSIS	By weight: 100 (5VG4) + 20 (HDR5N020) By volume: 100 (5VG4) + 30 (HDR5N020)	
BINDER NATURE	Epoxy resin with vinyl modifications	

TECHNOLOGICAL AND RESISTANCES CHARACTERISTICS	
<i>RESISTANCES</i>	
ATMOSPHERIC AGENTS	Good
NORMAL INDUSTRIAL ENVIROMENTS	Exellent
HEAVY INDUSTRIAL ENVIROMENTS	Exellent
SEA ENVIROMENTS	Good
HIGH UMIDITY ENVIROMENTS	Good
ALTERNATE WATER IMMERSIONS	Exellent
CONTINUOUS WATER IMMERSIOJN	Good
INORGANIC ACIDS	Really good
ORGANIC ACIDS	Good
ALKALINE COMPOUNDS	Really good
ALIFATIC COMPOUNDS	Really good
AROMATIC COMPOUNDS	Good
ALCOHOLIC COMPOUNDS	Good
ACID SALTS	Exellent
ALKALINE SALTS	Exellent
FATS AND OILS	Really good
BENDINING 4mm (ISO 1519/89)	OK
SCRETCH GRID (DIN 53131 – UNI 630) (0=100% adherence; 5=0% adherence)	0
TEMPERATURE	Continuous: from -50°C to +90°C Max: 120-130 °C (not continuous)
<i>APPLICATION</i>	
ROLLER, BRUSH	Dil. 5-10% with EPOXY THINNER



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SPRAY	Dil. 10-20% TH4.1000 (NITRO THINNER) pressure: 3-4 atm Ø nozzle: 1.8 mm
AIRLESS SPRAY	Dil. 5-10% with EPOXY THINNER Pressure: 150 atm Ø nozzle: 0.025-0,03" Spray angle: 40-80°
POT LIFE	4 hours (high temperature can accelerate the process)
HARDENING TIMES	
DUST FREE	40 mins
DEEP HARDENING	24 hours
COMPLETE HARDENING	15 days
<i>Hardening times can change considerably according to temperature and thickness of the application. We suggest to apply the primer at temperatures over 10-15 °C and max. 75% relative humidity.</i>	

OVERPAINTING
After 8 hours.
SURFACES PREPARATIONS
Dry and clean from all form of types of impurities. Better results are obtained by sand first the surfaces.
ENVIRONMENTAL CONDITIONS
Surface temperature must be 3 degrees over dew point. Over 25-30°C we recommend to use a retardant thinner or an high quantity of the normal thinner, for improve the levelling of the coat. Light rain or high humidity conditions, after 16 hours by the applications, can prevent the hardening of the primer.
TOOLS CLEANING
Tools can be easily clean by not polymerized product with TH4.1000 (DILUENTE NITRO ANTINEBBIA).
STORAGE
In fresh and dry places, avoiding direct contact with sunlight, 1AG2 results stable for 12 months

The information given in this sheet and founded on our experience are not intended to be fully exhaustive. Whilst we endeavour to ensure that all advices we give about the product (whether in this sheet or otherwise) are correct, we have no control over either the quality or condition of the substrate or the many factors affecting the use and application of the product. Is supposed that every user liberally opts for the products described on this sheet, after verifying suitability according its requirements. This product is intended for use only by professional applicators in industrial, according the advices described on this sheet, the material safety data sheet and the packaging.

Vivcolor s.r.l.

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