

TECNICAL DATA SHEET

5VG4

VINIYL-EPOXY PRIMER

Creation date
Latest update
Rev.

25/06/19
09/03/23
3

GENERAL INFORMATIONS		
<p>Two-component epoxy-polyamide vinyl corrosion inhibitor primer for ferrous surfaces, suitable as a primer for metal surfaces (galvanised sheet metal, aluminium, light alloys, etc.).</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. The product is SURFACE TOLLERANT.</p> <p>The vinyl modification makes it particularly easy to overcoat even long after application. The paint layer must be suitable for overcoating and in good condition.</p>		
PHISICAL AND CHEMICAL CHARACTERISTICS		
		NOTES
SPECIFIC WEIGHT	1,47 ± 0,1 Kg/L	
VISCOSITY	R4 7000 cP 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	
RESISTANCES	
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



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TEMPERATURE	Continuous: from -50°C to +90°C Max: 120-130 °C (not continuous)
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APPLICATION	
ROLLER, BRUSH	Dil. 5-10% with EPOXY THINNER
SPRAY	Dil. 10-20% TH4.1000 NITRO THINNER pressure: 3-4 atm Ø nozzle: 1.8 mm
AIRLESS SPRAY	Dil. 5% 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 PREPARATION
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 NITRO THINNER.
STORAGE
In fresh and dry places, avoiding direct contact with sunlight, 5VG4 results stable for 12 months.



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