## Vivcolor s.r.l.

TECNICAL DATA SHEET 5VG4 VINIYL-EPOXY PRIMER





Creation date Latest update Rev. 25/06/19 09/03/23

#### **GENERAL INFORMATIONS**

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.).

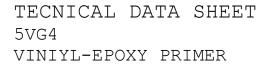
It is suitable for exposure to corrosive atmospheres, for use in the chemical industry, oil industry, food industry, shipbuilding, construction and industrial bodywork. The product is SURFACE TOLLERANT.

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.

In good condition:				
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 <sup>2</sup> /Kg	Theoretical		
AVAILABLE DYES	Grey, RAL 7035, red	oxide and on request.		
CATALYSIS	By weight: 100 (5VG4) By volume: 100 (5VG4)			
BINDER NATURE	Epox resin with viny	l 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	
CONTINOUS 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	
(0=100% adherence; 5=0% adherence)		

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TEMPERATURE	Continuous: from -50°C to +90°C
	Max: 120-130 °C (not continuous)

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	

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.

#### **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  $25-30\,^{\circ}\text{C}$  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  $\mathtt{TH4.1000}$  NITRO THINNER.

#### STORAGE

In fresh and dry places, avoiding direct contact with sunlight, 5 VG4 results stable for 12 months.

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