



TECHNICAL DATA SHEET

5AG1C

VIVEPOX SMALTO

(VIVEPOX ENAMEL)

Creation date 04/10/17
Latest update 02/02/21
Rev. 4

GENERAL INFORMATIONS		
Two-component epoxy-polyamide topcoat with high resistance to water and to contact with oils, solvents, gasoline, acids and bases. Excellent adhesion on metal surfaces. It is used in the painting of machine tools or products exposed to heavy industrial atmospheres. It is not recommended to use the product as an outdoor finish if high aesthetic characteristics are required.		
CHARACTERISTIC OF THE SUPPLY PRODUCT		
		NOTES
SPECIFIC WEIGHT	1.4 ± 0,1 Kg/L	
VISCOSITY	R4 7000 cP at 20°C	Brookfield method
SOLIDS CONTENT	78 ± 1% (weight)	Theoretical
YIELD: (50 m dry)	5-7 m²/Kg	Theoretical
OPACITIES	85-90 Gloss	Glossmeter 60°
VOC gr/l (Dir. 2010/75/EC)	324 g/L	Theoretical
AVAILABLE COLOURS	All dyes availables	
CATALYSIS	<i>FOR GLOSSY VERSION</i> 20% con HDR5N100/HDR5R100 (by weight) 30% con HDR5N100/HDR5R100 (by volume) <i>FOR SEMI-GLOSSY VERSION</i> 20% con HDR5.SL131 (by weight) 30% con HDR5.SL131 (by volume)	
SPECIFIC WEIGHT	Epoxy resins, polyamide adducts.	

TECHNOLOGICAL CHARACTERISTICS AND RESISTANCE TESTS	
RESISTANCES	
ATMOSPHERIC AGENTS	Very 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 AND ALKALIS	Good
ALIFATICALS	Very Good
AROMATICS	Very Good
ALCOHOLS	Good
ACID SALTS	Excellent
ALCALINI SALTS	Excellent
OILS AND FATS	Very Good
TEMPERATURE	Continued: 100°C Peaks: 150°C (2/3 hours)



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APPLICATION MODES	
BRUSH, ROLLER	Dil. 5-15% with EPOXY DILUENT TH5.1300
SPRAY	Dilution 10-20% EPOXY DILUENT TH5.1300. Nozzle pressure: 3.5 - 4 bar Nozzle diameter: 1.6 mm
<i>It is advisable to apply VIVEPOX SMALTO in thicknesses not exceeding 50 micron dry per coat.</i>	
HARDENING TIMES	
DUST FREE	30 min
DEEP HARDENING	24 hours
COMPLETE DRYING	15 days
Curing times may vary considerably depending on the thickness applied. A high thickness can compromise deep drying. The temperature can also have a significant effect on the drying process, especially on the evaporation of solvents. The temperature of the substrate must be at least 3 degrees above the dew point.	

SURFACES PREPARATION
Surfaces must be thoroughly degreased and free of impurities.
<i>The data reported refer to tests conducted on sandblasted iron (SIS SA 2)</i>
ENVIRONMENTAL CONDITIONS
The temperature of the substrate and exterior must be at least 3 degrees above dew point.
TOOLS CLEANINGS
The tools can be cleaned from the uncured product with NITRO ANTINEBBIA THINNER.
STORAGE
In a cool and dry place, and in a well sealed can, both the hardener and VIVEPOX are stable for at least 12 months.

The information given in this technical data sheet is indicative and based on our knowledge derived from experience and experimentation and can in no way constitute a guarantee. The purchaser/user decides independently on the suitability of the product for his own requirements in the context of the specific field of use. For safety information please refer to the relevant toxicological data sheet.