Vivcolor s.r.l.

TECHNICAL DATA SHEET
5AG1W
VIVEPOX 2K WB

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Rev. 0

GENERAL CHARACTERISTICS		
Two-component water-dilutable epoxy enamel for ferrous and galvanized surfaces, with excellent covering power, chemical resistance and excellent hard surface when completely harndened. The product is easy to clean with detergents diluted in water.		
FINISHED PRODUCT CHARACTERISTICS		
		NOTES
SPECIFIC WEIGHT	1,30 ± 0,1 Dyes Kg/L	Part A
	1,05 ± 0,1 Kg/L	Part B
VISCOSITY	Tixotropic	Not calculable
SOLIDS CONTENT	45 ± 2% Dyes (by weight)	Part A - Theoretical
	37 ± 2% (by weight)	Part B - Theoretical
YIELD (50 µm dry)	7-8 m²/Kg	Theoretical
AVAILABLE COLOURS	RAL, Pantone and NCS palette and on request dyes	
CATALYSIS RATIO	35% in weight with HDR5W010.	
Before mixing Comp. A with Comp. B it is recommended to mix well each of the individual components.		
PRODUCT NATURE	Two-component epoxy-polyamine resin	

TECHNOLOGICAL CHARACTERISTICS AND RESISTANCE TESTS	
RESISTANCES	
ATMOSPHERIC AGENTS	Very good
NORMAL INDUSTRIAL ATMOSPHERE	Good
HEAVY INDUSTRIAL ATMOSPHERE	Good
MARINE ATMOSPHERE	Good
HIGH HUMIDITY ENVIRONMENTS	Very good
APPLICATION MODE	
BRUSH, ROLLER	Dil. 10% First coat, 5-10% second coat with demineralised water
SPRAY	Dilution 10-15% with demineralised water Nozzle pressure: 3 atm Nozzle diameter: 2 mm
HARDENING	
OUT DUST	30 min
OUT OF TACT	6-7 hour
IN-DEPTH	48 hour
COMPLETE DRYING	10 days
POT LIFE	8 hours not visible
At higher temperatures the pot-life decreases. It is absolutely not necessary to apply a product that has exceeded the pot-life limits, as films are formed that do not give sufficient guarantees of adhesion and chemical resistance. *Drying can be forced in the oven at a temperature of 60°C for 40-60 min.*	
Curing 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 hardening, especially on the evaporation of solvents.

OVERPAINTING
At least after 24 hour and not after 36 ore.
SURFACES PREPARATION
Due to their very low content in organic solvents, water-based coatings are characterised by a low wettability of the substrate, which is much lower than traditional solvent-based products. The presence on the substrate of substances such as grease, oil, grease and dirt (and of course, for other reasons, rust and calamine) is therefore not tolerated. Carefully examine the surface to be treated to ensure that it is suitable and structurally acceptable.
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 WATER or ACETONE.
STORAGE
Water-based products fear frost. Therefore store in an environment with a temperature between +5° and +35° C. In unopened packages, in a cool, dry place away from heat sources, it is stable for at least 12 months.