

## TECHNICAL DATA SHEET

5AG1.B3790

VIVEPOX NON-TOXIC ENAMEL

Creation date 29/02/16  
Rev. 0

GENERAL INFORMATION		
Two-component epoxyamine paint, absolutely free of odour and taste, is suitable for use in thick coatings of tanks or pipes intended for the flow of drinking water. The chemical properties of cross-linked paint give the same exceptional surface hardness, good elasticity and high durability.		
CHARACTERISTICS OF THE SUPPLY PRODUCT		
		NOTES
SPECIFIC WEIGHT	1.6 ± 0.1 Kg/L 1 ± 0.1 Kg/L	
VISCOSITY	Data not available	
SOLIDS CONTENT	97 ± 1% (weight A+B)	Theoretical
YIELD: (300 µm dry)	400 g/m <sup>2</sup>	Theoretical
<i>On absorbent substrates (such as concrete) consumption can be up to 6-700 g/m<sup>2</sup>.</i>		
OPACITY	85-90 Gloss	Glossmeter 60°
AVAILABLE DYES	White	
CATALYSIS	40% with HDR5.ATO (weight) 1 part HDR5.ATO - 4 parts A (volume)	
NATURE OF THE BINDER	Epoxy resin PM ≤ 700	

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
ALIPHATICS	Very Good
AROMATICS	Very Good
ALCOHOLS	Good
ACID SALTS	Excellent
ALKALINE SALTS	Excellent
OILS AND FATS	Excellent
IMPACT TEST	7,5 N/m OK
TEMPERATURE	The non-toxic epoxy enamel is able to withstand continuous temperatures from -50 to +90 °C.

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	For temperatures below -50 to +90 °C, the functionality of the coating is not guaranteed.		
YELLOWING (1H)	80°C	150°C	200°C
	None	Considerable	RAL 1001
APPLICATION MODE			
BRUSH ROLLER	Dil. 0-5% with PURE ETHYL ALCOHOL FROM FRUIT		
SPRAY	DiL. 0-5% with PURE FRUIT ETHYLICAL ALCOHOL. With spray gun suitable for spraying high viscosity products.		
It is advisable to apply VIVEPOX NON TOXIC ENAMEL in thicknesses of 300µm.			
HARDENING TIMES			
DUST FREE	3 hours		
DEEP HARDENING	12 hours		
COMPLETE DRYING	10 days		
POT LIFE	30 min		
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 curing, especially on the evaporation of solvents. The temperature of the substrate must be at least 3 degrees above the dew point.			
SURFACES PREPARATION			
The non-toxic epoxy enamel is applied on metal surfaces treated with suitable adhesion primers or directly on perfectly matured and properly prepared concrete surfaces.			
ENVIRONMENTAL CONDITIONS			
The temperature of the substrate and exterior must be at least 3 degrees above dew point.			
TOOLS CLEANING			
The tools can be cleaned from the uncured product with water, alcohol or acetone.			
STORAGE			
In a cool and dry place, and in a well sealed can, VIVEPOX is stable for at least 12 months. In the same conditions as part A, its hardener remains stable for 6 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.