



## TECHNICAL DATA SHEET

3AS1W

VIVPUR SIGNAL 2K WB - POLYURETHANE ENAMEL WATER-BASED ENAMEL FOR SIGNAGE

Creation date 17/01/24  
Rev. 0

GENERAL INFORMATIONS		
Two-component, water-based, polyurethane finish enamel with excellent adhesion to the road surface and high resistance to wear, chemicals and weathering. It is suitable for traffic signs, guide lines, pictograms and urban and sports decorations.		
PHISICAL AND CHEMICAL CHARACTERISTICS		
		NOTE
SPECIFIC WEIGHT	1,00 ± 0,1 Kg/L (A) 0,95 ± 0,1 Kg/L (B)	
VISCOSITY	R4 3500 CP a 20°C	Brookfield Method
SOLID CONTENT	35 ± 1% (by weight)	Theoretical
YIELD (100 µm dry)	5-5,5 m <sup>2</sup> /Kg 50/55 m/Kg	Theoretical
<i>The calculation of linear metres refers to a continuous line with a width of 10 cm.</i>		
AVAILABLE DYES	All dyes are available.	
CATALYSIS	By weight: 100 (3ASW1) + 35 (HDR3W001)	
BINDER NATURE	Polyurethane hydroxylated dispersion	

TECHNOLOGICAL AND RESISTANCES CHARACTERISTICS	
RESISTANCES	
ATMOSPHERIC AGENTS	Good
NORMAL INDUSTRIAL ENVIROMENTS	Good

APPLICATION	
ROLLER, BRUSH	Dil. 5% with DEMINERALIZED WATER
SPRAY	Dil. 5-10% TH4.1000 DEMINERALIZED WATER pressure: 2,5-3 atm Ø nozzle: 1.2 mm

HARDENING TIMES	
DUST FREE	35 mins
TOUCH FREE	2-3 hours
DEEP HARDENING	8-10 hours
POT LIFE	1 hours
<i>Hardening times can change considerably according to temperature and thickness of the application.</i>	



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<b>OVERPAINTING</b>
This product is overpaintable with itself or with other waterborne enamels after 24 hours from the applications
<b>SURFACES PREPARATIONS</b>
Cement surfaces must be dry, clean and free of crumbling parts or debris that could in any way cause the paint to detach. It is best to make the surface on which the product will be applied rough to facilitate absorption of the paint.
<b>ENVIROMENTAL CONDITIONS</b>
Particularly cold temperatures or environments with high relative humidity can slow down or modify the characteristics of the system, which is affected during the painting phase by atmospheric conditions. We therefore recommend application and initial drying in environments with a temperature of more than 10-15°C and a maximum relative humidity of 75%. Light rain, high humidity or the formation of condensation during the 16 hours following application can irreversibly damage the film formation. At temperatures above 25-30°C it is advisable to use a suitable retardant thinner or a larger amount of the thinner normally used, in order to avoid the formation of dots and bubbles (pinpricks) on the paint film.
<b>TOOL CLEANING</b>
Tools can be easily clean by not polymerized product with WATER.
<b>STOCK</b>
Keep in fresh and dry place, where temperature is between 5° and 35° C. In well-sealed can VIVPUR WB and it hardener result stable for 6 months.

The information given in this sheet and founded on our experience are not intended to be fully exhaustive. Whilst we endeavour to ensure that all advices we give about the product (whether in this sheet or otherwise) are correct, we have no control over either the quality or condition of the substrate or the many factors affecting the use and application of the product. Is supposed that every user liberally opts for the products described on this sheet, after verifying suitability according its requirements. This product is intended for use only by professional applicators in industrial, according the advices described on this sheet, the material safety data sheet and the packaging.