

# Vivcolor s.r.l.

## TECHNICAL DATA SHEET

3TG1

VIVPUR TRASPARENT



Creation date 12/01/17  
Updated date 29/01/2025  
Rev. 1

GENERAL INFORMATIONS		
<p>Polyurethanic 2K transparent enamel with high resistance to atmospheric agents and aggressive chemicals proprieties, very low flammability, high elasticity, brightness and high color retention and good covering proprieties.</p> <p>We suggest overpaint an epoxy primer with this topcoat to maximize the adhesion on the support and resistance to aggressive agents.</p>		
PHISICAL AND CHEMICAL CHARACTERISTICS		
		NOTE
SPECIFIC WEIGHT	0.98 ± 0.1 Kg/L (A) 0.95 ± 0.1 Kg/L (B) 0.97 ± 0.1 Kg/L (A+B)	
VISCOSITY	R4 1300 cP 20°C	
SOLID CONTENT	59 ± 1% (by weight)	Theoretical
SPREAD REATING: (50 m dry)	7,5 m <sup>2</sup> /Kg	Theoretical
BRIGHTNESS	100 Gloss	60° Glossmeter
AVAILABLE DYE	RAL series, PANTONE®, NCS System series and personalized dyes.	
CATALYSIS	60% with HDR3.series (by weight)	
	60% with HDR3.series (by volume)	
<i>For white dyes we recommend to use HDR3.002, it prevent the enamel to yellowing in time.</i>		
BINDER NATURE	Modified polyesters	

TECNOLOGICAL, MECHANICAL AND RESISTANCE CHARACTERISTICS	
RESISTANCES	
ATMOSPHERIC AGENTS	Really Good
NORMAL INDUSTRIAL ENVIRONMENT	Good
AGGRESSIVE INDUSTRIAL ENVIRONMENT	Really Good
MARINE ENVIRONMENT	Good
HIGH HUMIDITY ENVIRONMENT	Really Good
ALTERNATE WATER IMMERSIONS	Good
CONTINUOUS WATER IMMERSION	Good
ORGANIC ACIDS	Good
INORGANIC ACID	Good
ALIPHATICS COMPOUNDS	Really Good
AROMATIC COMPOUNDS	Good

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ALCOHOL	Good
ACID SALTS	Really Good
BASIC SALTS	Good
OILS AND FATS	Really Good
SALT SPRAY CORROSION TEST CABINET	>2000 h (applications on epoxy primer)

ERICHSEN DEEP DRAWING INDEX	7,4 mm (ISO 150/73 - UNI 8900)
HARDNESS TO PENDULUM	160" (DIN 53157)
BENDING TEST 4 mm	OK (ISO 1519/89)
<b>APPLICATION MODE</b>	
BRUSH OR ROLLER	Recommended only for limited surfaces or for refinishing operations. Dil. 5-10% with our POLYURETHANIC SLOW THINNER (TH3.1215)
SPRAY	Dil. 5-10% with our POLYURETHANIC THINNER (TH3.1200). Air Pressure: 3-4 bar Nozzle diameter: 1.5 mm
<i>We recommend not go over 40 dry <math>\mu</math>m for coat of paint.</i>	
<b>DRYING</b>	
DUST FREE TIME	40 minutes
TOUCH FREE TIME	2-4 hours
DEEP DRYING	8-10 hours
COMPLETE DRYING	7 days
Drying process may be conducted by oven: 80°C (not higher)/40 minutes.	
<i>Drying times can change significantly according to thickness and temperature of the application.</i>	

<b>FLUO DYES</b>
An UV resistant additive must be added to the varnish. For a better final effect result we suggest to apply the topcoat on a white primer, that improve the fluorescent effect. Fluorescent dyes tend to bleach at direct contact with sunlight if not protected.

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<b>SURFACE PREPARATION</b>
VIVPUR can be applied on a antirust primer nitro-resistant. Best results are obtained using our VIVEPOX primer or our ACRIVIV primer. The surfaces must be anyway dried and cleaned. For made any adjust to the polymerized enamel (after 8 - 12 hours) it must be sanded.
<b>ENVIRONMENTAL CONDITIONS</b>
Surfaces and environment temperature must be 3 degrees over dew point.
<b>TOOLS CLEANING</b>
Tools can be easily cleaned by using our NITRO THINNER (TH4.1000)
<b>STOCKING</b>
VIVPUR result stable at least 6 months in fresh and dry environment, not exposed directly to sunlight and in a well-seal container. More attention must be observed for the stock the hardener, it reacts with humidity. Once it is open it must be consumed as fast as possible or stocked in dry places.

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.