



TECHNICAL DATA SHEET

3EG1

VIVPUR SMALTO ALTA COPERTURA

Creation date 07/06/2019
Rev. 1

GENERAL CHARACTERISTICS		
<p>Smalto di finitura bicomponente poliuretano lucido con ottime caratteristiche di resistenza agli agenti atmosferici, massima resistenza agli aggressivi chimici, scarsissima infiammabilità, elevata elasticità, ottima ritenzione della brillantezza e del colore, buona copertura.</p> <p>Il prodotto è stato formulato per ottenere il massimo della copertura, con il minimo dello spessore.</p> <p>Inoltre è particolarmente indicato per cicli compositi epossidico (fondo) - poliuretano (finitura), per ottenere le massime prestazioni di adesione al supporto e resistenza agli aggressivi in tutti i tipi di applicazioni: dalla verniciatura di macchine industriali alla finitura di elementi con particolari funzionalità estetiche e/o di resistenza.</p>		
CHARACTERISTICS OF THE SUPPLY PRODUCT		
		NOTES
SPECIFIC WEIGHT	1.30 ± 0.1 Kg/L (A) 0.95 ± 0.1 Kg/L (B) 1.15 ± 0.1 Kg/L (A+B)	
VISCOSITY	R4 2200 cP at 20°C	
SOLIDS CONTENT	65 ± 1% (weight)	Theoretical / See safety data sheet
YIELD: (50 µm dry)	7.5 m ² /Kg	Theoretical
OPACITIES	90-95 Gloss	Glossmeter 60°
VOC gr/l (Dir. 2010/75/EC)	See SDS	
AVAILABLE COLOURS	All dyes available	
CATALYSIS RATIO	50% with HDR3 serie (weight)	
	65% with HDR3 serie (volume)	
SPECIFIC WEIGHT	Modified poliester	

TECHNOLOGICAL CHARACTERISTICS AND RESISTANCE TESTS	
<i>RESISTANCES</i>	
ATMOSPHERIC AGENTS	Very Good
NORMAL INDUSTRIAL ATMOSPHERE	Very Good
HEAVY INDUSTRIAL ATMOSPHERE	Very Good
MARINE ATMOSPHERE	Good
HIGH HUMIDITY ENVIRONMENTS	Excellent
ALTERNATING IMMERSION IN WATER	Good
CONTINUOUS IMMERSION IN WATER	Good
ORGANIC ACIDS	Good
INORGANIC ACIDS AND ALKALIS	Good
ALIFATICALS	Very Good
AROMATICIS	Good
ALCOHOLS	Good
ACID SALTS	Very Good



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ALCALINI SALTS	Good
OILS AND FATS	Very Good
TEMPERATURE (complete dryng)	Continuous: 90°C Peaks: 115-120°C (10-15 minutes)
SALT SPRAY TEST	> 2000 h (applied on epox base)

QUV TEST 220 h (ASTM G 35)	0 h	75 h	150 h	220 h
	89 gloss	83 gloss	71 gloss ΔE: 0.32	65 gloss ΔE: 0.35
DRAWING ERICHSEN	7,4 mm (ISO 150/73 - UNI 8900)			
PENDULUM HARDNESS	160" (DIN 53157)			
BENDING TEST 4 mm	OK (ISO 1519/89)			

APPLICATION MODE	
BRUSH, ROLLER	Recommended only for retouching operations or on surfaces of limited size. Dil. 5% with SLOW POLYURETHANIC DILUENT
SPRAY	Dilution 10% POLYURETHANIC DILUENT Nozzle pressure: 3-4 bar Nozzle diameter: 1.5 mm
<i>The application must not exceed 40 μm dry per coat.</i>	
HARDENING	
DUST FREE	40 min
TOUCH FREE	2-4 hours
DEEP HARDENING	8-10 hours
COMPLETE DRYING	7 hours
<i>Drying can also be carried out in an oven at 80°C max (40'), after a 20-minute drying time. At temperatures above 25-30°C it is advisable to use a special retardant thinner or a larger quantity of the thinner usually used, in order to avoid the formation of dots and bubbles (pin points) on the paint film.</i>	
Curing times may vary considerably depending on the thickness applied. A high thickness can compromise deep drying. Temperature can also have a significant effect on drying, especially on the evaporation of solvents.	
SURFACES PREPARATION	
VIVPUR SMALTO must be applied on a suitable nitro-resistant anticorrosive primer. The best adhesion results of the painting cycle are obtained by using our VIVEPOX FONDO or our ACRIVIVIV FONDO. The surfaces to be treated must in any case be dry, clean and free of greasiness. Possible retouches of the cured finish (after 8-12 hours) can be made only after sanding.	
RAL FLUO	

Vivcolor s.r.l.



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<p>The product, if supplied in a fluorescent version, is added with a special UV filter, which increases its resistance to sunlight. We recommend applying a white base coat that will make it more vivid in tone. All colours obtained with fluorescent pigments tend to fade quickly when exposed to the sun.</p>
<p>ENVIRONMENTAL CONTROL</p>
<p>The temperature of the substrate and exterior must be at least 3 degrees above dew point.</p>
<p>TOOLS CLEANING</p>
<p>The tools can be cleaned from the uncured product with DILUENTE NITRO ANTINEBBIA.</p>
<p>STORAGE</p>
<p>In a cool and dry place, protected from direct sunlight and in a well sealed tin, VIVPUR SMALTO is stable for at least 12 months, the CATALIZER at least 6 months. Particular attention must be paid to the storage of the CATALIZER which, being susceptible to react with atmospheric humidity, once opened must be consumed as soon as possible and at the same time stored in particularly dry environments.</p>
<p>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.</p>