Vivcolor s.r.l.

TECHNICAL DATA SHEET
3AG1TC
VIVPUR GLOSSY LX

Creation date	10/11/20
Latest update	06/06/25
Rev.	1

GENERAL CHARACTERISTICS		
A two-component polyurethane finishing enamel that is characterised by high gloss and surface hardness with excellent weather resistance, maximum resistance to aggressive chemicals, very low flammability, high elasticity, excellent colour retention, good coverage. The enamel is particularly suitable for epoxy (primer) - polyurethane (topcoat) composite cycles, to obtain maximum performance in terms of adhesion to the substrate and resistance to aggressive agents in all types of applications: from the painting of industrial machinery to the finishing of elements with special aesthetic and/or resistance features.		
CHARACTERISTICS OF THE SUPPLY PRODUCT		
		NOTES
SPECIFIC WEIGHT	1.25 ± 0.1 Kg/L (A) 1.2 ± 0.1 Kg/L (A+B)	
VISCOSITY	R4 1000 cP at 20°C	Metodo Brookfield
SOLID CONTENT	62 ± 1% (weight)	Theorectical
YIELD: (50 µm secchi)	8.5 m²/Kg	Theorectical
OPACITY	100 Gloss	Glossmeter 60°
AVAIABLE DYES	All dyes avaiable	
CATALYSIS RATIO	40% with HDR2H097 seire (weight)	
PRODUCT NATURE	Modified hydroxylated polyester resin	

TECHNOLOGICAL CHARACTERISTICS AND RESISTANCE TESTS				
RESISTANCES				
ATMOSPHERIC AGENTS	Very good			
NORMAL INDUSTRIAL ATMOSPHERE	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			
AROMATICS	Good			
ALCOHOLS	Good			
ACID SALTS	Very good			
ALCALINI SALTS	Good			
OILS AND FATS	Very good			
TEMPERATURE (complete drying)	Continue: 90°C Peaks: 115-120°C (10-15 minuti)			
SALT SPRAY TEST	> 1300 h (applied on primer epox (5BG4) or epox tixo (5xg4))			
QUV TEST 220 h (ASTM G 35)	0 h	75 h	150 h	220 h
	95 gloss	83 gloss	71 gloss ΔE: 0.32	65 gloss ΔE: 0.35
ERICHSEN DEEP DRAWING	7,4 mm (ISO 150/73 – UNI 8900)			

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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
The application must not exceed 40 µm dry per coat.	
HARDENING	
DUST FREE	40 min
TOUCH FREE	2-4 hours
DEEP HARDENING	8-10 hours
COMPLETE DRYING	7 days
OVEN	20' flash off - 80°C 40'
Hardening times may vary considerably depending on the thickness applied	

SURFACES PREPARATION

VIVPUR LX must be applied over a suitable nitro-resistant anticorrosive primer. The best adhesion results of the painting cycle are obtained by using ns. VIVEPOX FONDO or ns. ACRIVIV FONDO. The surfaces to be treated must in any case be dry, clean and free of grease. Any touching up of the cured finish (after 8-12 hours) can only be carried out after sanding.

RAL FLUO

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.

ENVIRONMENTAL CONDITIONS

The temperature of the substrate and exterior must be at least 3 degrees above dew point. 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.

TOOLS CLEANINGS

Tools can be cleaned from the uncured product with DILUENTE NITRO ANTINEBBIA.

STORAGE

In a cool and dry place, protected from direct sunlight and in a well sealed tin, VIVPUR LX 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 it must be consumed as soon as possible and at the same time stored in particularly dry environments.