



TECHNICAL DATA SHEET

3AG1L

VIVPUR ENAMEL LX

Creation date 10/11/2020
Rev. 0

| GENERAL CHARACTERISTICS | | |
|--|--|-------------------|
| Two-component polyurethane finishing enamel that stands out for its high gloss and surface hardness with excellent weathering 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 machines to the finishing of elements with particular aesthetic and/or resistance features. | | |
| CHARACTERISTICS OF THE SUPPLY PRODUCT | | |
| | | NOTES |
| SPECIFIC WEIGHT | 1.25 ± 0.1 Kg/L (A) 0.95 ± 0.1 Kg/L (B) 1.2 ± 0.1 Kg/L (A+B) | |
| VISCOSITY | R4 1000 cP at 20°C | Metodo Brookfield |
| SOLID CONTENT | 62 ± 1% (weight) | Theoretical |
| YIELD: (50 µm secchi) | 8.5 m ² /Kg | Theoretical |
| OPACITY | 100 Gloss | Glossmeter 60° |
| AVAILABLE DYES | All dyes available | |
| 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 |
| <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 days |
| <i>Drying can also be carried out in an oven at 80°C max (40'), after a 20-minute drying time.</i> | |
| <i>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> | |
| <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.</i> | |
| SURFACES PREPARATION | |
| VIVPUR LX 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 | |
| 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. | |
| 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. | |

Vivcolor s.r.l.

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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.