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POLISUPER (Transparent Polyurethane Liquid Sheath)

technical data sheet

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1. IDENTIFICATION OF THE SUBSTANCE

Trade name: POLISUPER (Transparent polyurethane elastic liquid sheath)
Manufacturer : Cimar Produzione Surl with plant in Salerno at via Mecio Gracco 8H/8I.
Telephone number also for urgent calls: Tel +39 (0)89 302418

2. CHARACTERISTICS AND USES

It is a single-component transparent aliphatic polyurethane that cures with high-performance atmospheric humidity. The product consists of vulcanised resins that form an elastic membrane that is resistant to UV rays because it does not yellow.
Single component product.
Excellent resistance to UV rays and atmospheric agents.
Fast catalysis.
Easy to apply.
Easy to clean.
Good resistance to footsteps.
Suitable substrates: stone, ceramic and polycarbonate.
Resists alkalis and chemicals.

3. IDENTIFICATION CHARACTERISTICS OF THE LIQUID PRODUCT

Appearance: solvent-based viscous liquid
Specific gravity = 0.96 kg/dm³
Dry residue = 60
Flash point: 36°C (ASTM D93)
Pot Life: 6 h
Viscosity at 20°C :600 mPa.s
VOC content as required by Legislative Decree No. 161 of 27/05/2006: 500 g/l of product ready for use.
VOC content of the product: 396 g/l of ready-to-use product

5. CHARACTERISTICS OF THE DRIED PRODUCT

Shore hardness: 53 D
Elongation at break: > 200 %.
Tensile strength: 3.4 MPa
Water vapour permeability: 2.7 g/m² day (UNI EN ISO 7783)
Thermal Resistance: Stable up to 80°C.
Chemical resistance : continuous contact conditions : 0=Worsening 5=Best

Substance	Conditions Test	Results
Water	15 gg, 80°C	5
Salted water (saturation)	5 gg, 80°C	5
Hydrochloric acid	7 gg, 80°C	0
Caustic soda	28 gg, 80°C	4
Ammonia	28 gg, 80°C	5
Pure Bleach Pure	28 gg, 80°C	3
10% diluted bleach	28 gg, 80°C	4
Xylene	7 gg, 80°C	0
Isopropyl Alcohol	7 gg, 80°C	0

6. Drying/Induration

POLISUPER reaches a hardness to allow a light transit in 48 hours. It is advisable to wait at least 10 days to have the required surface hardness for a continuous pedestrian transit.

A second coat must be applied within 48 hours of the first application to avoid the formation of bubbles. It is advisable to use a specific primer before applying POLISUPER, the POLIPRIMER supplied by Cimar, with a consumption of 100-200 gr/sqm in a single coat. Liquid POLISUPER can be cleaned with the specific solvent POLISOLV. If solidified, it can no longer be dissolved. The solvent POLISOLV can also be used to dilute the product POLISUPER in applications on porous substrates (see technical data sheet).

7. EQUIPMENT

Apply with short hair roller resistant to solvents, brush. Liquid POLISUPER can be cleaned with POLISOLV. If solidified, it can no longer be dissolved.

8. APPLICATION SUPPORT

For good adhesion of the product to the substrate, the surface must be perfectly dry and free from rising dampness. In addition, the support must be compact and cohesive and free of cracks or cracks without dust or friable parts, oils and greases.

9. CONSUMPTION

Consumption per coat 200-300 gr/sqm. Two coats recommended.

10. INSTRUCTIONS FOR STORAGE

Storage temperature: 5°C ÷ 30°C. Stability in original packages : 9 months
Packing : 4 Kg - 20 Kg

11. AVAILABLE COLORS

Glossy transparent.

12. Warnings

Do not apply on substrates with rising damp.

POLISUPER contains flammable and isocyanated solvents, follow the instructions of the safety data sheet.

This product is intended for professional use only.

For interiors, ventilate well and wait at least 48 hours between the first and second coats to facilitate solvent migration.

Application temperature: +10°C.

Do not apply POLISUPER on ceramic or other surfaces with rising nitrates or sulfates (in joints or surfaces) without special treatment.

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