



Cimar[®]
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POLIGOLD (Polyurethane Liquid Sheath)	technical data sheet
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1. IDENTIFICATION OF THE SUBSTANCE

Trade name: POLIGOLD
Producer : Cimar Produzione Surl with production in Salerno (ITALY) via Mecio Gracco 8H/8I.
Telephone number also for urgent calls: Tel +39 089.302418

2. CHARACTERISTICS AND USES

Waterproofing liquid colored in water emulsion at very rapid drying, based on hybrid polyurethane acrylic resins and nanoparticles charges that give the sheath greater durability outdoors.
Resists waterlogging. It is used to waterproof any type of substrate: repair of terraces, viaducts, deteriorated bituminous membranes, sheets, plasters and walls against the ground.
Single-component and ready to use. Easy application. Resists stagnant water.
Maintains its properties unchanged from -20 ° to +80 °C.
In case of accidental breakage, it can be easily repaired in a few minutes. Monolithic product without welding.
Permeable to water vapor.
Resistant to ultraviolet rays, yellowing and atmospheric agents, does not require protection.
Walkable, non-toxic coating.

3. IDENTIFICATION CHARACTERISTICS OF THE LIQUID PRODUCT

Appearance: viscous pigmented paste
Specific gravity = $1.3 \pm 0.05 \text{ kg/dm}^3$
Dry residue = $60 \pm 5\%$
Viscosity at 23°C* = 0.59 Pa-s
VOC content as required by Legislative Decree No. 161 of 27/05/2006: 140 g/l of product ready for use.
VOC content of the product: 60 g/l of ready-to-use product

4. PRIMER

The primer to be used for cementitious systems, bricks, stone, tiles, wood and bituminous membranes is always the same; POLIGOLD diluted with 20% water. Apply in one coat with a consumption of 300 gr/sqm. The complete apparent drying time of the primer at a temperature of 23°C E 50% RH is 3h.

5. DRYING OR HARDENING TO 23°C AND 50% UR

POLIGOLD Sheet 0,800 gr/m²
To the touch: 3 h
Apparent complete: 6 h
Time required for second coat on first layer with TNT reinforcement: 24 h
Rain Resistant: 8 h
Curing: 4 days

6. CHARACTERISTICS OF THE DRIED PRODUCT

Load at break: $80 \pm 1 \text{ N/cm}^2$
Elongation at break: > 500 %.
Abrasion resistance: 0,2 gr (weight loss)
Water absorption: < 1 %.

7. EQUIPMENT

Apply by roller, brush or spray (airless with pressure > 220 bar flow >5.1 L/min nozzle diameter >0.83 mm). Clean equipment immediately after use with water. The hardened product can only be removed mechanically.

8. REINFORCEMENT

The reinforcement to be used for POLIGOLD is a POTENZIO Non-Woven Tissue produced by Cimar Produzione srl.

9. APPLICATION SUPPORT

Cement substrate: The concrete must be cured for at least 28 days and have a tensile strength of ≥ 1.5 MPa. All traces of loose material must be removed and the surface as smooth as possible, eliminating asperities through abrasion.

Tiles: They must be well adherent and not damaged. Porcelain or glass tiles must be made porous by abrasion and treated with primer.

Bituminous glove deteriorated: the roll must be well adherent and there must not be any detached parts, otherwise they must be repaired. Metal and Wood: surfaces must be healthy and intact. Use Primer and Reinforcing Tissue POTENZIO in joints and fastenings.

10. USE

Consumption depends on the porosity and regularity of the surface. It is estimated at approx. 1.5-2 Kg/sqm in two or three coats. This consumption is based on the application by roller on a smooth surface in optimal conditions. Factors such as surface porosity, application method and temperature can alter consumption.

11. INSTRUCTIONS FOR STORAGE

Storage temperature: 5°C ÷ 30°C. Stability in original packages : 12 months

Packing : 5 Kg - 20 Kg

12. AVAILABLE COLORS

White, red, green, grey, blue and beige.

13. INFORMATION ON THE APPLICATION

Support: concrete, metals, wood and tiles:

Once the primer is completely dry, apply the first layer of POLIGOLD with a consumption of 0.800 kg/sqm on non-absorbent substrates - approx. 1 kg/sqm on absorbent substrates. When the product is fresh, spread the non-woven tissue TNT POTENZIO with overlapping sheets min. 5 cm. by pressing it with a brush to facilitate the penetration of the product into the tissue.

When the product is dry, spread a new coat of product on the TNT with a consumption of 0.800 Kg/sqm.

Always reinforce with the tissue POTENZIO in critical areas, such as wall-floor connections, through pipes, chimneys, etc.. To do so, apply a correctly cut strip of fabric to the fresh POLIGOLD, pressing to immerse and saturate it again with sufficient POLIGOLD.

CAUTION: do not apply POLIGOLD more than 0.5 mm in a single thickness.

14. WARNINGS

Do not apply on substrates with rising damp. The maximum residual moisture content must not exceed 8%.

In summer, the application on all surfaces, and in particular on metal surfaces, should be done in the early morning excluding the afternoon hours that are too hot.

Ensure that the temperature does not fall below 10 °C and that the relative humidity of the air does not exceed 80% until the membrane has completely hardened.

Before applying the second coat, make sure that the first one is completely dry.

For roofs with a gradient of less than 3%, appropriate measures must be taken.

It is advisable to abstain from the application in conditions or forecasts of rain.

The product is not suitable for pedestrian areas.

Do not apply cement products, such as tile adhesives, directly to the product. Provide a suitable alkali barrier, e.g. with dry quartz sand.

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