



## SETIPOL PU HYBRID - SINGLE-COMPONENT, ALIPHATIC, WATERPROOFING ACRYLIC/POLYURETHANIC RESINS

Single component, based on water and modified polyurethane resins that, once cured, forms an elastic, pigmented coating. Once dry, it forms a UV-resistant sheet that is fully adhered to the substrate, without joints or overlaps. The combination with polyurethane resins gives it superior waterproofing capacity.

## USES

For application in the following situations:


- Waterproofing of roofs, terraces, balconies, etc... (new construction and repairs)
- Waterproofing of concrete slabs, metal surfaces
- Waterproofing and protection against the action of solar rays and other weather agents, of the TECNOFOAM polyurethane foam for thermal insulation

**NOTE:** call our technical department about the application to other supports or situations

Density	1.40 ± 0.05 g/cm <sup>3</sup>
Viscosity	27,000 ~ 31,000 cps
Tack-free time	±1 hour
Recoat tyime	±24 hours
Application method	By brush, roll or "airless" equipment



## COLORS

	Gray
	White

## GENERAL FEATURES

- It is a one-component, based on water and modified polyurethane resins, colored, thixotropic paint that once dry forms an elastic, continuous layer, fully adhered to the substrate, without joints or overlaps, elastic, pigmented, aliphatic (resistant to UV rays). To be used on concrete, mortar, cement, ceramics, metal, wood.



- Its consumption depends on the situation of the support, irregularities it presents or level of planimetry.
- It must be applied in sound and resistant substrates, with no presence of humidity/water on the surface whether at the time of application or subsequently (pressure from phreatic water level, damp-water).
- The application must be carried out on firm and dry substrates, at a substrate temperature 3°C higher than the dew point, with an ambient temperature higher than 8 °C and an R.H. less than 80%.

## YIELD

The recommended consumption is approximately 1.5 to 2 kg/sqm (0.92 mm) applied in one or several layers, depending on the type of application and nature of the substrates.

## PACKAGING

Metal tins in three formats: 6 kg and 25 kg.

## STORAGE AND SHELF LIFE

12-months shelf life is stored in original containers in a dry environment at a temperature between 5-35 °C (41-95°F). Keep away from direct sunlight, extreme heat, cold or moisture. Once the tin has been opened, the product must be used

## APPLICATION METHOD

**Cement or concrete substrates:** Concrete should be completely cured (concrete curing takes 28 days) or, in any case, the maximum level of humidity allowed for the substrate should be verified, depending on the primer used. Concrete must be strong, cohesive and dry, having a correct planimetry, high surface resistance, eliminating laitance, graise, oils or release agents, without excessive irregularities. In some cases it is necessary to perform physical processes (substrate preparation (sanding, polishing, shot blasting or milling)) to remove surface slurry, release agents, as well as to open the surface pore and achieve an adequate anchoring profile. Existing holes or areas with a lack of material must be repaired using some of our epoxy resins: Primer EP-1020/Primer EP-1010. Mastic PU must be used on fissures or small cracks on the surface. In joints (width < 15 mm): remove old material, clean and fill with Mastic PU. In joints (width >15 mm): remove old material, clean and fill with Mastic PU. Complement with a Tecnoband 100 band on the upper part. In structural/expansion joints: remove old material, clean and fill with Mastic PU. General cleaning of the substrate. PRIMING: use Primer PU-1050/Primer PUC-1050, Primer EP-1020, Primer EP-1010 or Primer WET, depending on the existing moisture in the substrate. Apply two coats impregnating a fiberglass reinforcement and allowing it to dry. (approximate consumption per coat of 0.750 kg/sqm). The final consumption should be approx. 2 kg/sqm. In the case of a very porous substrates, apply a first layer diluted with water (15%), to increase adhesion.

**NOTE:** For other types of substrates, weather conditions or the substrate to be applied, consult our technical department.

## HEALTH AND SAFETY

Respiratory Protection: When handling or spraying use an air-purifying respirator. Skin protection: Use rubber gloves, remove immediately after contamination. Wear clean body-covering. Wash thoroughly with soap and water after work and before eating, drinking, or smoking. Eye / Face: Wear safety goggles to prevent splashing and exposure to particles in the air. Waste: Waste generation should be avoided or minimized. Incinerate under controlled conditions in accordance with local laws and national regulations. Re-occupancy of the work site without respiratory equipment is minimum 24 hours providing the correct ventilation for the area sprayed. Contractors and applicators must comply with all applicable and appropriate guidelines for storage and safety guidelines. These safety recommendations for handling, are necessary for the implementation process as well as in the pre and post, on exposure to the loading machinery. Dispose waste in accordance with state or/and local regulations.

## TECHNICAL AND CHEMICAL PROPERTIES

### PROPERTIES

### VALUES



Density ISO 1675	1.40 ± 0.05 g/cm <sup>3</sup>
Viscosity ISO 2555	27,000 ~ 31,000 cps
Solid contents ISO 1768	±65%
VOC content	0
Elongation at break ISO 527-3	>250%
Tensile strength ISO 527-3	>0.70 MPa
Dry time / recoat time	2~4 hours / ±24 hours
Use temperature range (environment)	-20~90 °C (-4 to 194°F)
Application temperature range (substrate and environment)	5~45 °C (41 to 113°F)

*Results were performed in the laboratory at 23°C (73°F) and 50% RH, under controllable conditions. These values may vary depending on the application, climatology, or substrate conditions.*

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