



PRIMER PU-1000 - SINGLE COMPONENT, POLYURETHANE RESIN AS A PRIMER

Single component, solvent-content polyurethane resin. It has been specifically designed to increase bonding and improve the surface leveling of the substrates prior to the waterproofing and flooring systems.



USES

For application in the following situations:

- Increase adherence and improve the planimetry of the surfaces such mortar, concretes
- As an adhesion promoter on waterproofing old membranes overlappings

NOTE: call our technical department about the application to other substrates or scopes of use

Density	±1.12 g/cm ³
Viscosity	70~300 cps
Dry time	2~3 hours
Application method	By brush, by a short nap acrylic wool roller, always thin coats application



GENERAL SPECIFICATIONS

- Single-component, solvent-based, polyurethane resin once dry forms a continuous and highly adherent film on supports such as concrete, mortar or wood, increasing adhesion for liquid waterproofing systems.
- It holds a CE marking on the basis of a statement made DoP Declaration of Performance (DoP) under the EN-1504-2:2004 table 5
- Its consumption depends on the condition of the support, any irregularities or level of planimetry. Always apply a thin layer, never a thick one.
- 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).
- In repairs and membrane overlaps its consumption is between 50-100 g/sqm
- Possibility of applying in combination with mineral fillers (siliceous aggregate) on very irregular substrates or to improve mechanical adhesion in the event of rain.



PACKAGING

Metallic pail: 5 kg and 20 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.

Concrete substrate: 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. Therefore, the previous action of sanding, polishing, milling or shot-blasting will be assessed by the applicator to achieve a preparation of the substrate according to ICRI Guide 03732, CSP values 3 to 5. 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. Joint filling for installation, work and consolidation of surfaces. General cleaning of the substrate, removing existing dust, dirt, grease or efflorescence. The substrates must be resistant and cohesive. Mix the two components using a mechanical shaker for approximately 4-5 minutes (medium speed). Apply the resin in two or more thin crossed coats until the desired planimetry is achieved. (always wait for drying before recoat). Consumption around 150 g/sqm depending on the roughness of the substrate. Apply as many coats as the substrate needs. Apply thin coat, never thick. Always respect the recoat time between coats or between different materials. In case of rain, apply a thin layer, consumption approx. 100-150g/sqm. In applications of repairs/overlaps/joining bridge between already cured membranes, this consumption could be less.

TECNOCOAT/DESMOPOL substrate: Clean the substrate, removing any dust, dirt, grease, or efflorescence. Open the container and apply in thin layers using a short-nap acrylic wool roller or airless sprayer, with an approximate consumption of 100-150 g/sqm. If in doubt, apply to a small, inconspicuous area first.

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 star or/and local regulations.



TECHNICAL AND CHEMICAL PROPERTIES

PROPERTIES		RESULT
Density	ISO 1675	1.12 ±0.08 g/cm ³
Viscosity	ISO 2555	70~300 cps
Solids content	ISO 1768	70~75%
VOC content		270 g/l
Determination of adhesion by direct pull-off on concrete 1542 (yield 150 g/sqm) UNE-EN		> 4.2 MPa
Vapor water permeability	UNE-EN ISO 7783 (yield 150 g/sqm)	Sd=1.5 (Class I) / 16.1 g/sqm/day / μ=12,922
Liquid water permeability	UNE-EN 1062-3 (yield 150 g/sqm)	W=0.042 kg/(sqm * h0,5) (PASS, <0,1)
Times: dry/ recoat		2~3 hours / 3~48 hours
Application temperature range (substrate / environment)		5~35°C / 5~30°C (41~95°F / 41~86°F)
Maximum moisture (substrate/ environmental)		4%(±0.3)/ 80%(±5)
Dilution (in case of electrical equipment application)		Desmosolvent (5-6%)

Results 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.

The information herein is to assist customers in determining whether our products are suitable for their applications. Our products are only intended for sale to industrial and commercial customers. The customer assumes full responsibility for quality control, testing, and determination of the suitability of products for its intended application or use.

We warrant that our products will meet our written liquid component specifications. We make no other warranty of any kind, either express or implied, by fact or law, including any warranty of merchantability or fitness for a particular purpose since Tecnopol Sistemas S.L.U. does not control the execution, since Tecnopol Sistemas S.L.U. does not control the execution. Our total liability and customers' exclusive remedy for all proven claims is the replacement of the nonconforming product and in no event shall we be liable for any other damages. While descriptions, designs, data and information contained herein are presented in good faith and believed to be accurate, they are provided for guidance only. Because many factors may affect processing or application/ use, Tecnopol Sistemas S.L.U. recommends that the reader make tests to determine the suitability of a product for a particular purpose prior to use.

No warranties of any kind, either expressed or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding products described or designs, data or information set forth, or that the products, designs, data or information may be sued without infringing the intellectual property rights of others. In no case shall the descriptions, information, data or designs provided be considered a part of Tecnopol Sistemas S.L.U. terms and conditions of sale. Further, the descriptions, designs, data, and information furnished by Tecnopol Sistemas S.L.U. hereunder are given gratis and Tecnopol Sistemas S.L.U. assumes no obligation or liability for the description, designs, data or information is given or results obtained, all such being given and accepted at the reader's risk.

All data furnished refers to standard production using manufacturing testing tolerances. The product user, and not Tecnopol Sistemas S.L.U., is responsible for determining the suitability and compatibility of our products for the final user's intended use.

The liability of Tecnopol Sistemas S.L.U. and its affiliates for all claims is limited to the purchase price of the material.

Products may be toxic and require special precautions in handling. Users should obtain detailed information on toxicity, together with proper shipping, handling and storage procedures, and comply with all applicable safety and environmental standards.

No freedom from any patents or other industrial or intellectual property rights is granted or to be inferred.

