



## PRIMER EP-1040 - TWO COMPONENT, EPOXY RESIN AS A PRIMER

Two component, 100% solids content epoxy resin. It is specially designed to increase adhesion to substrates and improve planimetry for liquid waterproofing systems TECNOCOAT and DESMOPOL and flooring systems TECNOTOP and TECNOFLOOR.



### USES

For application in the following situations:

- Increase adhesion on metal surfaces and ceramic tiles (smooth finishing)

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

Density	1.05± 0.1 g/cm <sup>3</sup>
Viscosity	1,000±200 cps
Pot-life	± 40 minutes
Dry time	4~6 hours
Application method	By short nap acrylic wool roller or "airless" equipment



### GENERAL SPECIFICATIONS

- Two component, 100% solids content epoxy resin, solvent-free, odorless, which once dry forms a continuous film in steel or ceramic substrates increasing adherence for liquid waterproofing and flooring 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
- 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).
- Its consumption depends on the situation of the substrate, irregularities that it presents or level of planimetry.
- No dilution needed at all

### PACKAGING

Metallic kit pails: 8 kg+ 5kg



## 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

### **Steel and ceramic substrate**

Previous preparation of the substrate according to its type . Existing holes or areas with a lack of material must be repaired using some of our epoxy resins: Primer EP-1020/Primer EP-1010. Joint fillings with Mastic PU. In existing dilatations joints: remove old material, clean, and fill with Mastic PU. Use also Tecnoband 100 to cover, if necessary. General cleaning of the substrate, removing existing dust, dirt, grease or efflorescence. The substrates must be resistant and cohesive. Check the maximum degree of moisture permittivity of the substrate. 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 between 150 and 200 g/sqm depending on the roughness of the substrates. Apply as many coats as the substrate needs. Always respect the recoat time between coats or between different materials. In case of rain, apply a thin layer, consumption approx. 100-150g/sqm.

**NOTE:** For other types of substrates, weather conditions or final use, 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		VALUE
Density	ISO 1675	1.05± 0.1 g/cm <sup>3</sup>
Viscosity	ISO 2555	1,000±200 cps
Density compounds A/B	ISO 1675	1.25 ±0.05 g/cm <sup>3</sup> / 1.10 ±0.05 g/cm <sup>3</sup>
Viscosity compounds A/B	ISO 2555	1,100~1,900 cps / 250~800 cps
Mixing ratio (in weight)		1.6:1
Solids content	ISO 1768	100%
VOC content		0 g/l
Shore D	DIN 53.505	>75
Determination of adhesion by direct pull-off to concrete (yield 300 g/sqm)	UNE-EN 1542	3.5 MPa
Vapor water permeability	UNE-EN ISO 7783 (yield 300 g/sqm)	Sd=56.5 (Class III) / 0.4 g/sqm/day / μ=485,038
Liquid water permeability	UNE-EN 1062-3 (yield 300 g/sqm)	W=0.0001 kg/(sqm * h <sub>0,5</sub> ) (PASS, <0,1)
Reaction to fire	EN-13501-1:2007+A1:2010	Efl
Times: pot-life / dry / recoat		±40 minutes / 4~6 hours / 4~48 hours
Application temperature range (substrate and environment)		5 ~ 35°C / 5 ~ 30°C (41 ~95°F / 41~ 86°F)
Use temperature range (environment)		-20~80 °C (-4 ~ 176°F)
Maximum moisture (substrate/ environmental)		±4% / ±80%

Results were performed in the laboratory at 23°C 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.

