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.

CE

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/cm³
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 ºC *(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 or 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/cm³
Viscosity ISO 2555	1,000±200 cps
Density compounds A/B ISO 1675	1.25 ±0.05 g/cm³ / 1.10 ±0.05 g/cm³
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 UNE-EN 1542 *(yield 300 g/sqm)*	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 * $h_{0,5}$) (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 ~ 35ºC / 5 ~ 30ºC *(41 ~95ºF / 41~ 86ºF)*
Use temperature range (environment)	-20~80 ºC *(-4 ~ 176ºF)*
Maximum moisture (substrate/ environmental)	±4% / ±80%

Results were performed in the laboratory at 23ºC and 50% RH, under controllable conditions. These values may vary depending on the application, climatology, or substrate conditions.

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