



## PRIMER EP-1010 - TWO-COMPONENT, FILLERIZED 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 on concrete, mortar, or ceramic tiles supports.
- To be used as a resin mortar for concrete substrate or joints of ceramic tiles

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

Density	1,50± 0,1 g/cm <sup>3</sup>
Viscosity	±2.500 cps
Pot-life	±30 minutes
Initial drying time	±50 minutes
Application method	By short nap acrylic wool, notched trowel



### GENERAL SPECIFICATIONS

- Two-component, 100% solids content epoxy resin, solvent-free, odorless, which once dry forms a continuous film in concrete, mortar or ceramic substrates increasing adherence for liquid waterproofing and flooring systems
- Its consumption depends on the situation of the substrate, irregularities that it presents or level of planimetry. It can be applied in a thick layer, self-leveling system
- Do not use with groundwater pressure (water pressure coming from the back of the treated element).
- Although it already incorporates charges in component A, it is possible to apply it in combination with mineral charges (silica aggregate) on very irregular supports.
- No dilution needed at all

### PACKAGING

Metallic kit pails: 16 kg.+ 4 kg.



## SHELF LIFE

12 months at temperatures between 5° C and 35° C (41 °F to 95 °F), provided it is stored in a dry place. Once the tin has been opened, the product must be used.

## APPLICATION METHOD

The following factors prior to application should be checked:

- Previous preparations of the substrate through physical processes (substrate preparation (sanding, polishing, shot blasting, or milling) for laitance and release agents as well as for the opening of the surface pore, achieving a suitable anchorage profile. (CSP 3 -4-5, according to the ICRI)
- 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.
- 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.

### **Mortar, concrete or ceramic substrate**

- Substrate must be fully cured (the concrete curing process is 28 days). 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)
- Extends in a single coat, using a notched trowel or rubber lip in a single thick coat. Consumption around 300 and 500 g/sqm.
- For applications on highly absorbent substrates, apply a first coat of sealer with a short-nap roller (150-200 g/sqm) to avoid bubbling.
- Also can be applied in a single coat, mixed with Silica Sand (mixing ratio in weight 1:4), spreading using a notched trowel or rubber lip in a single thick coat. Consumption around 200 and 400 g/sqm.

**NOTE:** For other types of substrates, weather conditions or final use, consult our technical department.



## HANDLING AND SAFETY

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.

- 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.

Anyway, consult the material and safety data sheet of the product (MSDS) or contact our technical department.

## TECHNICAL FEATURES

PROPERTIES		VALUE
Density	ISO 1675	1,50 ±0,1 g/cm <sup>3</sup>
Viscosity	ISO 2555	± 2.500 cps
Viscosity per compounds	A/B ISO 2555	3.000~7.000 cps / 150~400 cps
Density per compounds	A/B ISO 1675	1,65 ±0,01 g/cm <sup>3</sup> / 1,03 ±0,1 g/cm <sup>3</sup>
Mixing ratio (in weight)		4:1
Solids content	ISO 1768	100%
VOC content (volatile organic compounds)		0 g/l comp. A+0 g/l comp. B
Shore Hardness A	DIN 53.505	>75
Adhesion to the concrete		>1,5 MPa
Pot-life		±30 minutes
Final dry time		4~5 hours
Recoat range time		4~48 hours
Application temperature range (substrate and environment)		5°C~35°C / 5°C ~ 30°C (41°F to 95°F / 41°F to 86°F)
Use temperature range (environment)		-20~80 °C (-4°F to 176°F)
Max. moisture on the substrate		±4 %
Max. environmental moisture		±80%

*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.*

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