



**PRIMER EP-1010 - TWO-COMPONENT, FILLERIZED, 100 % SOLIDS, EPOXY RESIN**

Primer EP-1010 it's a two-component, 100% solid content, epoxy resin-based including solid charges. Specially designed as a primer to increase adherence and repair substrates on mortar, concrete or ceramic tiles for flooring and waterproofing systems TECNOFLOOR, TECNOTOP, TECNOCOAT, and DESMOPOL.

## USES

Epoxy resin to be used in the following situations in TECNOFLOOR, TECNOTOP, TECNOCOAT and DESMOPOL systems:

- Specially designed to increase the adhesion on concrete, mortar, or ceramic tiles supports.
- Self-leveling application (thick coat)
- Also used as a resin mortar for concrete support preparation

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

|                     |                           |
|---------------------|---------------------------|
| density at 23°C     | 1.50 g/cm <sup>3</sup>    |
| viscosity at 23°C   | 1.200 cps                 |
| pot life at 23°C    | ± 30 minutes              |
| drying time at 23°C | ± 50 minutes              |
| approx. consumption | ±300-500 g/m <sup>2</sup> |
| mix ratio           | 4:1                       |



## GENERAL FEATURES

- High fluidity that allows for a quick and easy application of the product.
- High penetration and sealing on support.
- Excellent adhesion to concrete.
- Epoxy resin 100% solids, Odorless, and solvent-free. Do not add water or any solvent.
- May yellow on outdoor exposure, due to the action of UV rays, to be an epoxy.
- Usual coverage as a self-leveling (reparation mortar) system: ±300 to 500 g/m<sup>2</sup>
- Usual coverage as a regular primer: ±150 to 200 g/m<sup>2</sup>
- After 7 days, coming to a cured material total. Preserve the direct contact with water or other reagents until this moment.
- It can be applied on surfaces with a maximum surface humidity of 4%.
- The PRIMER EP-1010 should be applied in dry conditions avoiding the presence of humidity or water coming from the surface to be coated or the substrate, whether at the time of application or subsequently (pressure from phreatic water level).
- Primer EP-1010 has filler but is possible to add SILICA SAND (mixing ratio resin:silica= ±1:4)



## PRESENTATION

Kit metal tins: 16 kg.+4 kg.

## SHELF LIFE

12 months for each product at temperatures between 5° C and 35° C, provided it is stored in a dry place. Once the tin has been opened, the product must be used immediately.

## APPLICATION METHODOLOGY

### Support

- The concrete slab must be clean, compact, and free of loose particles, grease, oil, cement laitance, curing liquids, or other treatments such as silicones or damaged paintings.
- The surface must be with the pore opened, it is essential to start work with treatment and subsequent shot blasting dust sucked. sanding, therefore, is not recommended rough and open-pored surface ensuring anchoring the primer is sought.
- The concrete has to be more than 28 days old or maximum moisture content of 4%.
- Do not apply PRIMER EP-1010 on concrete with exudations of water or in areas where the inside water may affect the adhesion of the system components.
- Both temperatures, environmental and support, should be at least 3 higher than the dew point at the time of the application, so the risk of condensation is reduced.

### Mixing

- PRIMER EP-1010 comes in pre-weighed containers suitable for subsequent mixing proportions, partial mixtures is not recommended.
- Pour the contents of Comp. II on Comp. I, and mix with a drill fitted with a stirrer at low speed until achieving a homogeneous product. Special emphasis on shaking the walls and bottom of the container.
- In the case of adding aggregate, make the mixture described above first and, once made, add the aggregate to obtain a homogeneous product.

## APPLICATION METHODS

- Apply PRIMER EP-1010 with the help of a squeegee or a trowel, self-leveling application used as a mortar, thick coat 0.300 - 0.500 kg / m<sup>2</sup>)
- To repair concrete surfaces, or as a primer to improve the adherence for waterproofing or flooring systems.
- Cleaning: clean up with DESMOSOLVENT. Once cured, clean up only by mechanical means.



## HANDLING

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.

## PROPERTIES

| PROPERTIES  | VALUE                  |
|---|------------------------|
| Density product at 23°C ISO 1675                          | 1.50 g/cm <sup>3</sup> |
| Viscosity product at 23°C ISO 2555                        | 1.200 cps              |
| Viscosity per compounds at 23°C ISO 2555                  | 3.600 cps / 200 cps    |
| Mixing ratio  | 4:1                    |
| Solids content ISO 1768                                   | 100%                   |
| VOC(volatile organic compounds)                           | 0                      |
| Shore Hardness A DIN 53.505                               | >75                    |
| Adhesion to the concrete                                  | >2 MPa                 |
| Pot life at 23 °C   | ±30 minutes            |
| Drying time 23 °C   | ±50 minutes            |
| Final dry time at 23 °C                                   | ±2~3 hours             |
| Recoat range time at 23 °C                                | 3~24 hours             |
| Walkability at 23°C and 50% RH                            | 12 hours               |
| Resistance to temperature for use                         | -20~80 °C              |
| Environmental and surface temperature for the application | 5~35 °C                |
| Max. moisture on the support                              | ±4 %                   |
| Max. environmental moisture                               | ±80%                   |
| Dilution  | NEVER                  |

These values in this table are approximate and can vary depending on the situation of the carrier or application methodology employed

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