



## PRIMER EP-1040 - TWO COMPONENT, 100 % SOLIDS, EPOXY RESIN AS A PRIMER

It's a two component primer, epoxy resin based 100% solids, to use as a primer, to increase adherence of TECNOCOAT and DESMOPOL waterproofing liquid systems, in applications on metal surfaces.

### USES

Epoxy resin to use :

- to improve the adherence on metal surfaces
- to stop the oxidation or corrosion processes
- to seal on concrete surfaces

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

density at 23°C	1,05 g/cm <sup>3</sup>
pot life at 23°C	± 40 minutes
adhesion on metal surface	> 2 N/mm <sup>2</sup> (MPa)
tack free time at 23°C	±60 minutes



### GENERAL FEATURES

- 100% solid, epoxy resin
- Excellent adhesion on metal surfaces
- stops corrosion and oxidation processes
- Odorless, and solvent free.
- Do not add water or any solvent.
- Consumption on metal surfaces 150-200 g/m<sup>2</sup>, applied on thin coats
- It can be applied on surfaces with a maximum surface humidity of 4%.
- Do not apply at temp. below. 10 °C or more than 30 °C, or with relative moisture more than 80%. Do not use hot air guns that burns fossil fuels. This conditions facilitate the appearance of white spots. Use electric heaters.
- Translucent once applied.
- The PRIMER EP-1040 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).

### PRESENTATION

Kit metal tins: 8 kg.+5kg.

### SHELF LIFE

24 months each product at temperatures between 5° C and 25° C, provided it is stored in a dry place. Once the tin has been opened, the product must be used immediately.



## APPLICATION METHOD

- Metal surface be clean, free of loose particles, grease, oil, or damaged paintings.
- Remove oxidation or corrosion areas
- Both temperature, 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
- PRIMER EP-1040 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 achieve an homogeneous product. Special emphasis on shaking the walls and bottom of the container.
- Do not add water or any solvents.
- Apply PRIMER EP-1040 with the help of a short-haired roller on the support. applying a second layer will be necessary for very absorbent substrates.

### Notes:

- Consult in all cases the waiting times, drying time, singular points treatment, conditions of application of all the products through the technical data sheets of each product, the technical handbook of application of TECNOCOAT , or consult our technical department.
- For other types of supports/substrates, for further information on the execution application procedure, for any additional questions, please, consult the technical data sheets (TDS) of these products, or our technical department.
- These guidelines are valid although they can be modified, according to the situation of the supports, conditioning of the bearing structures of the elements to be waterproofed, external climatology or situation at the time of application

## 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 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 at 23 °C ISO 1675	1.05 kg/m <sup>3</sup>
Viscosity at 23°C ISO 2555	850 cps
Shore D at 23°C DIN 53.505	>75
Adhesion to concrete	>2 N/mm <sup>2</sup> (MPa)
Pot life at 23 °C	±40 minutes
Tack free time 23 °C	±60 minutes
Dry time final at 23 °C	±2~3 hours
Recoat range time at 23 °C	3~48 hours
Resistance to temperature for use	-20~80 °C
Environment application temperature	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

