



## PRIMER EPW-1070 - TWO COMPONENT, WATER BASED EPOXY RESIN AS A PRIMER

PRIMER EPw-1070 is an epoxy water-based resin, without solvents, specially designed to increase adherence to our liquid waterproofing systems TECNOCOAT and DESMOPOL. Also for our flooring systems TECNOTOP and TECNOFLOOR.



### USES

Epoxy resin to use in:

- It has been specifically designed to increase bonding and improve the surface leveling of the substrates
- It can be applied on non-porous substrates such as ceramic, metal, PVC, or asphaltic/bituminous sheets.
- It also could be applied too on porous supports: concrete or mortar

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

density	1,00 ±0,1 g/cm <sup>3</sup>
viscosity	5.000±1.000 cps
pot life	± 60~90 minutes
dry time	±5~6 hours
approx. coat consumption	± 200 g/m <sup>2</sup>
mixing ratio	3:1
dilution	water (max. 20%)



### GENERAL FEATURES

- Made up of a mixture of two epoxy water-based components, it needs a flat, clean and dry surface.
- It can be applied on non-porous surfaces: ceramic, metal, PVC layers, asphaltic layers. It can be even applied on porous supports too.
- It can be diluted in water (max. 20%), to facilitate application. It must be valued the humidity existing on the support.
- Depending on the state of the surface to be treated, unevenness, or plane level, the yield can vary between 100-300 g/m<sup>2</sup> in several layers.



- It can be applied with a roller, brush, or airless spray equipment.
- It can be applied on surfaces with a maximum surface humidity of 10%.
- Not recommended for use on surfaces that are damp or exuding water coming from the interior of the substrate (water pressure due to phreatic level, condensations, filtration, etc.).
- It can be applied in combination with mineral particles (SILICA SAND) on very uneven surfaces.
- It has CE marking if it is used on the waterproofing systems, TECNOCOAT P-2049, based in pure polyurea or DESMOPOL system based on polyurethane, under European guide ETAG #005.

## PACKAGING

Metal tins in two different formats:

- LARGE KIT: 15 kg+5 kg
- SMALL KIT: 3 kg+1 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 METHOD

- The surface must be clean and dry. If necessary, use pressurized water to remove any oil or grease residue, efflorescence or other contaminants, as well as loose cement latencies.
- In some cases, it will be necessary to use mechanical processes to prepare the surface, as well as chemical means to clean metal surfaces.
- Dilute with water (max- 20%), on non-porous supports for a thin film, or to facilitate the application in the case of rough substrates.
- Mix the two components using a rod stirrer for about 2 minutes.
- If the surface to be treated is very uneven, apply an initial coat of PRIMER EPw-1070 mixed with mineral filings to level it.
- Before applying, take into account the residual humidity from cleaning, that is, wait until its total evaporation or verify any humidity in the surface using a measuring device.
- Apply two or more coats of PRIMER EPw-1070 until the desired thickness is obtained.
- Wait until completely dry before applying the desired waterproofing or concrete protection system.

## 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



## PROPERTIES

PROPERTIES	VALUE
Density ISO 1675	1,00 ±0,1 g/cm <sup>3</sup>
Viscosity ISO 2555	5.000±1.000 cps ( <i>non diluted</i> )
Density comp. A/B ISO 1675	1,15 ±0,05 g/cm <sup>3</sup> / 1,12 ±0,08 g/cm <sup>3</sup>
Viscosity comp. A/B ISO 2555	8.000~15.000 cps / 1.100~800 cps
VOC(volatile organic compounds)	2~10 g/l comp. A + 0 g/l comp. B
Adhesion to the concrete	>2 MPa
Mixing ratio (in weight)	3:1
Pot life	60~90 minutes
Dry time	5~6 hours
Recoat range temperature	6~48 hours
Environmental temperature for application	3~35 °C
Max. moisture on the support	10%
Max. ambiance humidity	80%
Dilution (on water)	max. 20%

*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.*

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