



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 of our liquid waterproofing systems DESMOPOL and TECNOCOAT P-2049; also for the flooring systems TECNOFLOOR. PRIMER EPw-1070 has 0% volatile chemicals.



USES

Epoxy resin to use in:

- It has been specifically designed to increase bonding and improve the surface leveling of the substrates prior to the application of the pure polyurea TECNOCOAT waterproofing systems, or DESMOPOL one-component polyurethane membrane, and our flooring systems TECNOFLOOR.
- 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 at 23°C	1,00 g/cm ³
viscosity at 23°C	3.500 cps
pot life at 23°C	± 60~90 minutes
tack-free time at 23°C	±5~6 hours
approx. coat consumption	± 200 g/m ²
mix ratio	3:1
dilution	water (max. 20%)



GENERAL FEATURES

- Made up of the 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/m² 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 TRANSPORT

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 finished product at 23 °C ISO 1675	1,00 g/cm ³
Viscosity at 23 °C ISO 2555	3.500 cps
Density comp. A at 23 °C ISO 1675	1,30 g/cm ³
Density comp. B at 23 °C ISO 1675	1,10 g/cm ³
Viscosity comp. A at 23 °C ISO 2555	5-000 - 5.500 cps
Viscosity comp. B at 25 °C ISO 2555	700 - 800 cps
Solids content ISO 1768	55%
VOC(volatile organic compounds)	5 g/l comp. A + 0 g/l comp. B
Adhesion to the concrete	>2 MPa
Mixing ratio	3:1
Pot life at 23 °C	60~90 minutes
Tack-free time at 23 °C	5~6 hours
Final dry time at 23 °C	7 days
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%

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

The information herein is to assist customers in determining whether our products are suitable for their applications. Our products are only intended for sale to industrial and commercial customers. The customer assumes full responsibility for quality control, testing, and determination of the suitability of products for its intended application or use.

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