



WATER BASED EPOXY PRIMER

PRIMER-EPW 1070, without any solvents, special designed to increase adherence of DESMOPOL, TECNOCOAT P-2049, TECNOFLOOR systems and other products based on polyurethane. PRIMER-EPW 1070 has 0% volatile chemicals.

USES

- It has been specifically designed to increase bonding and improve the surface levelling of the substrates prior to the application of the pure polyurea TECNOCOAT system, the DESMOPOL single-component polyurethane membrane, and our protection system epoxy based TECNOFLOOR.
- It can be applied on non porous substrates such as ceramic, metal, PVC or asphaltic layers.

Performance	100 ~ 250 g ²
Mixing ratio	3:1
Pot Life	60 ~ 90 minutes (20 °C)
Adhesion on concrete	> 3 N/mm
Drying Tack	5 ~ 6 hours (20 °C)
Vapor barrier	± 0.8 kg ²
Dilution in water	Max. 20%



GENERAL FEATURES

- Made up of the mixture of two epoxy water based components, it needs a flat, clean and dry surface, as hard as possible.
- It can be applied on non porous surfaces: ceramic, metal, PVC layers, asphaltic layers. It can be even applied on porous supports.
- It can be diluted in water (max. 20%). It must be valued the humidity existing on the support.
- Depending on the state of the surface to be treated, unevenness or plane level, yield can vary between 100-300 g/sqm. 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 8%.
- 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, filtrations, etc.), although if necessary a vapour barrier can



be formed applying 1 kg./sq. m in several coats.

- It can be applied in combination with mineral particles (silica sand) on very uneven surfaces.
- Translucent.
- It has CE marking if it is used on the waterproofing systems, TECNOCOAT P-2049, based in pure polyurea or DESMOPOL systema based on polyurethane, under europea guide ETAG #005.

PRESENTATION

Metal tins in two different formats:

KIT: 15 kg + 5 kg

KIT: 3 kg + 1 kg

EXPIRY

12 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

- The surface must be clean and dry. If necessary, use pressurised water to remove any oil or grease residue, efflorescence or other contaminants, as well as loose cement laitance.
- In some cases it will be necessary to use mechanical processes to prepare the surface, as well as chemical means to clean metal surfaces. (See Technical Application Manual for TECNOCOAT P-2049, DESMOPOL.)
- Mix the two components using a rod stirrer for about 2 minutes.
- 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.
- If the surface to be treated is very uneven, apply an initial coat of **PRIMER EPw-1070** mixed with mineral filings to level it.
- 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 air.
- Waste: Waste generation should be avoided or minimized. Incinerate under controlled conditions in accordance with local laws and national regulations.

Anyway, consult the safety data sheet of the product, are publicly available.

For other types of surfaces, for further information on the application procedure execution, or for any questions added, consult the technical manual application of TECNOCOAT P-2049 (TMA TECNOCOAT P-2049), DESMOPOL (TMA DESMOPOL), TECNOFLOOR (TMA TECNOFLOOR), or our technical department.



PROPIERTIES

PROPIERTIES	VALUE	RESULT
Density at 23 °C	kg/m ³	1.000
Viscosity at 25 °C	cps	3.500
Mix ratio	%	3:1
Adhesion to concrete	N/mm ² (MPa)	> 2
Pot life at 23 °C	minutes	60 ~ 90
Dry time (tack free) at 23 °C	hours	5 ~ 6
Dry time (final) at 23 °C	Days	7
Max. Time to repaint at 23 °C	Hours	24
Temperature for use	°C	3 ~ 35
Max. Moisture on the support	%	8
Dilution	Water (max. 20%)	

