



TRANSPARENT POLYURETHANE MEMBRANE

DESMOPOL T is a one component high solid, polyurethane resin, which once made forms a continuous, elastic, without any joints or overlapping, and totally waterproof.

It is applied manually, using a roller or brush and, exceptionally, using specific spray equipment.

USES

- Waterproofing and coating of: roofs, terraces, balconies and overhangs.

Yield	± 1 kg/m ² (1 mm thickness)
Tack free at 23 °C	± 6 hours
Elongation at 23°C	>100%
Tensile strength at 23°C	>2MPa
Dilution	5% Desmosolvent ("airless" equipment)
Application method	By brush, roll, or "airless" equipment



COLORS

Clear

GENERAL FEATURES

- DESMOPOL T is a highly elastic and wear-resistant membrane that, once applied, offers great stability and durability.
- DESMOPOL T adapts to any surface, making it the ideal product for application on uneven surfaces and in areas of any shape, whether curved or squared.
- Applying DESMOPOL T saves in seals and any other kind of joins, as the finish is uniform and makes up a single layer, providing a surface with optimum maintenance and cleaning properties.
- DESMOPOL T transparent polyurethane membrane 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).
- DESMOPOL T system doesn't require solar radiation protection (UV rays) to ensure its properties, because it is an aliphatic membrane.
- DESMOPOL T system's properties enable it to bond several kind of surfaces such as natural stone, ceramic. For other kind of supports, please, contact with TECNOPOL SISTEMAS S.L. technical department.
- High resistance all over the time, retaining its transparency.
- Use PRIMER T primer before application of membrane.
- Not recommended to use in pools, or chemically treated water, in general not use on total water immersion.
- Once formed, don't clean with bleach or highly corrosive products.
- Do not apply DESMOPOL T media with temperatures above +35 ° C
- If there is humidity or moisture in the substrate at the time of application, check the technical specifications of our primers where the maximum support humidity ranges are specified.

YIELD

Product yield is 0.5 to 1 kg/sqm, applied in 2 layers, depending on the application method and conditions.

PACKAGING

Metal tins of 20 kg and 5 kg

COLOURS

Transparent.

SHELF LIVE

12 months 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

In general, the following aspects should be dealt with prior to application:

- Support will be strong and dry.
- Clean up the surface, removing dust, oils and grasses, and existing chippings.
- We recommend applying on the substrate with the primer PRIMER T with a clean cloth and allow drying (15 - 20min).
- Can be applied by roller, brush or "airless" spray.

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 (MSDS) of the product.

TECHNICAL DATA

Concepts	Results
Viscosity at 23°C	±250 cps
Specific weight at 23°C	1g/cm ³
Flasch point	?42 °C
Repainted time (time within layers) at 23°C	6~24 hour
Tack free at 23 °C and 55% relative humidity	±6 hours
Dry extract	±80%
Work temperature	-40at 80 °C
Surface temperature range	3~35 °C
Hardness at 23°C	ShoreA ?80
Tensile strength at 23 °C	>2 MPa
Elongation at 23 °C	>100%
Potassium hydroxide contact 8% 10days at 50 °C	Nosignificant changes in the elastomeric properties
Sodium hypochlorite contact 5% 10days	Nosignificant changes in the elastomeric properties
Thermal stability (100 days at80 °C)	OK



Water absorption	< 1,4%
QUV Resistance to weather test(4hr UV, at 60 °C (UVB light) & 4hr at 50 °C)	OK3000h

