



DESMOPOL T - SINGLE COMPONENT, TRANSPARENT AND ALIPHATIC POLYURETHANE WATERPROOFING MEMBRANE

DESMOPOL T is a single component high solid, transparent and aliphatic 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.

USES

For waterproofing:

- walkable roofs, terraces, balconies and overhangs.

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

density at 23°C	1,00 g/cm ³
recommended consumption	± 1 kg/m ² (1 mm. thickness)
tack free at 23 °C	± 6 hours
tensile strength at 23°C	>20 MPa
elongation at break at 23°C	>200%
dilution	5% DESMOSOLVENT ("airless" equipment)
application method	by brush, roll, or "airless" equipment



COLORS

Transparent

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 joints, as the finish is uniform and makes up a single layer, providing a surface with optimum maintenance and cleaning properties.
- It 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).
- It 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 kinds of surfaces such as natural stone, ceramic. For another kind of support, please, contact with TECNOPOL technical department.
- High resistance all over time, retaining its transparency.
- Use PRIMER T primer before application of the 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

The product yield is 1 kg/m².

PACKAGING

Metal tins of 20 kg and 5 kg

SHELF LIVE

12 months 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

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.
- The support to be applied must be resistant and dry. There should be no moisture retained inside or moisture by capillarity in the back.
- We recommend applying on the substrate with the primer PRIMER T with a clean cloth and allow drying (15 - 20 min).
- 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 them 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 (MSDS) of the product



TECHNICAL DATA

Concepts	Results
Specific weight at 23°C ISO 1675	1,00 g/cm ³
Viscosity at 23°C ISO 2555	±1.060 cps
VOC (volatile organic compounds)	400 g/l
Solid content ISO 1768	±80%
Flashpoint	>42 °C
Elongation at break at 23°C ISO 527-3	>200%
Tensile strength at 23 °C ISO 527-3	<20 MPa
Tear Strength ISO 34-1	85 N/mm
Hardness Shore A DIN 53505	>80
Initial dry time at 23 °C	±5~6 hours
Recoat range time 23°C	6~24 hour
Adherence to the concrete	>2 MPa
Dry extract	±80%
Service temperature range	-20~80 °C
Surface temperature range	5~35 °C
Potassium hydroxide contact 8% 10days at 50 °C	No significant changes in the elastomeric properties
Sodium hypochlorite contact 5% 10days	No significant changes in the elastomeric properties
Thermal stability (100 days at80 °C)	OK
QUV Resistance to weather test(4hr UV, at 60 °C (UVB light) & 4hr at 50 °C)	OK(3000h)

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

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