



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

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

USES

For waterproofing:

- walkable roofs, terraces, balconies and overhangs.

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

density	1,00±0,05 g/cm ³
recommended consumption	± 1 kg/m ² (1 mm. thickness)
tack-free time	± 6 hours
tensile strength	>20 MPa
elongation at break	>200%
dilution	5% DESMOSOLVENT ("airless" equipment)
application method	by brush, short nap 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, applied by a short acrylic wool nap roll, or brush.
- Waterproofing and walkable (light traffic) membrane, without joints or overlaps
- It's is transparent, glossy, and resistant to the UV rays
- 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 our technical department.
- DESMOPOL T adapts to any surface; ideal product for application on uneven surfaces and in areas of any shape, whether curved or squared.



- Apply Primer T previously, to avoid bubbles, spots and to improve the adhesion
- 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.
- 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).

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 a short acrylic wool nap roll, brush, or "airless" equipment

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

PROPERTIES		Values
Density	ISO 1675	1,00 ±0,05 g/cm ³
Viscosity	ISO 2555	1.350 ~ 350 cps
VOC (volatile organic compounds)		375~425 g/l
Solid content	ISO 1768	70±5 %
Flashpoint		>42 °C
Elongation at break	ISO 527-3	>200%
Tensile strength	ISO 527-3	<20 MPa
Tear Strength	ISO 34-1	85 N/mm
Hardness Shore A	DIN 53505	>80
Initial dry time		±5~6 hours
Recoat range time		6~24 hour
Adherence to the concrete		>2 MPa
Dry extract		±80%
Service temperature range		-20~80 °C
Surface temperature range		5~35 °C
Thermal stability (100 days at 80 °C)		OK
QUV Resistance to weather test (4hr UV, at 60 °C (UVB light) & 4hr at 50 °C)		OK(3.000h)

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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