



FUTURPOL-T

TRANSPARENT ALIPHATIC POLYURETHANE MEMBRANE FOR WATERPROOFING AND PROTECTION

Single-component product that dries by ambient humidity, forming a continuous, elastic membrane with excellent mechanical and adhesion properties that make it resistant to weathering, extreme temperatures and chemical agents. As it is totally aliphatic, it resists U.V. without yellowing.

PROPERTIES

Totally transparent and aliphatic membrane, non-yellowing.
High resistance to the passage of time while maintaining its transparency.
Easy application: Single component.
Excellent adhesion on almost all types of surfaces.
Liquid product that adapts to any shape of surface where it is applied.
Restoration avoiding demolition or overweight.
Easy location and repair of cracks.
High resistance to weathering and UV rays.
High resistance to chemicals.
High resistance to extreme temperatures (between -40°C and + 80°C).
Maximum breaking temperature 200°C.
Excellent mechanical properties. High resistance to abrasion, tension and breakage.
High elasticity (>350%).
The membrane is totally waterproof and resists permanent contact with water, hydrolysis and the action of microorganisms.

PHYSICAL-CHEMICAL CHARACTERISTICS

Appearance*:	Viscous liquid
Presentation:	20 Kg containers
Color*:	Colorless
Density at 20 °C*:	1,000 Kg/L
Viscosity:	10000 cP
Solid content:	80-85%
Flash point:	> 42 °C
Touch dry:	6 Hours (25 °C, 55% RH)
Repainted:	6-24 hours
Service temperature:	-40 °C to + 80 °C
Breaking temperature:	200 °C
Hardness (Shore A):	40
Elasticity:	> 350% (23 °C)
Tensile Strength at 23 °C:	350 Kg/cm2
Resistance to hypochlorite solutions (5%, 10 days):	No change in elastomeric properties



Alkali resistance (Potassium hydroxide, 8%, 10 days, 50°C):	
Water absorption:	< 1.4%
QUV (Weather resistance, 4 h UV, 60 °C, 50 °C):	3000 h (Pass)
Complies with the requirements of the Technical Building Code (CTE) and the EOTA Guides for this type of materials	

MODE OF USE

Before applying the product, check that the substrate is clean and free of oil, grease, silicone, polluting waxes or soil materials. If repairs are required, apply suitable mortars.

It can be applied by brush, roller or airless spray gun. For cleaning always use a suitable solvent (FUTURSOLVEN 01).

Dry to the touch: 6 hours (25°C, 55 RH).

Coverage: 1.2 to 1.5 Kg/m² for waterproofing and 0.6-0.8 Kg/m² for maintenance.

Recoating: 6-24 hours.

We recommend not to leave more than 48 hours between coats.

Treat cracks, fissures, holes and singular points of the substrate with FUTURMASTIC PU mastic or reinforcement (FUTUR ARMADURA POLIESTER 50 GR).

To increase the resistance to abrasion and to have an intense walkable system, apply FUTUR PROTEC PU varnish and if an anti-slip application is required, add white corundum in the last coat (its granulometry varies according to the final use).

Stable 12 months from the date of manufacture, in its original well closed and undamaged packaging. Store in a cool, dry place at temperatures between +5°C and +25°C.

Not recommended for waterproofing swimming pools in contact with chemically treated water. On non-porous substrates such as ceramic or marble tiles a primer is required. Do not clean the substrate with bleach or highly corrosive products.

APPLICATIONS

Very useful in all types of construction companies, quick repair contracts, masonry in general, community maintenance, repair and restoration of building roofs, terraces, etc.

For use on:

Non-accessible roofs, limited to maintenance (Terraces, balconies and roofs, metallic, aluminium or fibre-cement, etc).

Passable roofs (terraces, balconies, etc.).

Supports accepted: Tiles, natural stones, wood, concrete, galvanised iron.

The information and recommendations we provide are based on our Research and experience and we believe they are correct. Since the application of the products by our Clients is beyond our control, we cannot assume responsibilities arising from misuse of our products.