



FUTURPOL WATER 2KW

THIXOTROPIC POLYURETHANE MEMBRANE FOR WATERPROOFING AND PROTECTION

Two-component product with a dry matter content of 100% that forms a continuous, elastic membrane with excellent properties. Allows waterproofing for permanent contact with drinking water without migration.

PROPERTIES

Product suitable for application in contact with drinking water.
It does not contain solvents so it can be applied in closed areas.
Excellent adhesion on concrete, cement, metal surfaces, etc.
Thixotropic (does not hang in vertical applications).
Adapts to any shape of cover.
Easy location and repair of breaks.
Excellent resistance to extreme temperatures (-40°C and + 90°C).

COMPATIBILITY WITH DRINKING WATER:

It meets the requirements regarding global migration and specific migration of aromatic amines (such as methylenedianiline) and regarding the content of residual monomeric isocyanate (4,4'-diphenyl-methane diisocyanate), established in the Resolution of November 4, 1982 and modification of the Order of July 3, 1985 and in Royal Decree 118/2003 of January 31, 2003, for any period of contact and temperatures lower than or equal to 40 °C, and intended for coatings that come into contact with food products, whose applicable simulant is the distilled water type, repeatedly.

PHYSICAL-CHEMICAL CHARACTERISTICS

Appearance*:	Viscous liquid 2 components
Presentation:	Component A: 1.5 Kg Component B: 7.5 Kg
Color*:	Milky white
Density at 20 °C*:	Component A: 1.22 Kg/L Component B: 1.37 Kg/L
Viscosity:	10000 cP (Mixture)
Solid residue:	Component A: 100%Component B: 100%
Mixing ratio:	Component A: 1 part Component B: 5 parts
Pot life:	25-30 minutes (20 °C)
Repainted:	6-24 hours
Service temperature:	-40 °C to + 90 °C
Breaking temperature:	200 °C
Hardness (Shore D):	> 40
Elongation at break:	> 100%
Tensile Strength at 23 °C:	200 Kg/cm2
Compatible with drinking water:	Appropriate



Adhesion to concrete:		> 20 Kg/cm ²
Complies with the requirements of the Technical Building Code (CTE) and with the EOTA Guides for this type of materials The product complies with the regulations applicable to potable systems: Royal Decree 118/2003: By which the list of substances permitted for the manufacture of plastic materials and objects intended to come into contact with food and certain test conditions are regulated Royal Decree 140/2003: Which establishes the health criteria for the quality of water for human consumption		
CHEMICAL RESISTANCE		
PRODUCT	APPEARANCE	RESULT
Distilled water	OK	Compatible
Drinking water	OK	Compatible
Sea water	OK	Compatible
Sulfuric acid 10%	OK	No deterioration
Hydrochloric acid 10%	OK	No deterioration
Nitric acid 10%	OK	No deterioration
Acetic acid 10%	10 days	Slight degradation
Formic acid 10%	8 days	Slight degradation
Lactic acid 25%	OK	No deterioration
Citric acid 10%	OK	No deterioration
Tannic acid	OK	No deterioration
Sodium hydroxide 10%	OK	No deterioration
Potassium hydroxide 10%	OK	No deterioration
Chlorine 10%	OK	No deterioration
Sugar 30%	OK	No deterioration
Ammonia 10%	20 days	Slight degradation
Sodium hypochlorite 3%	OK	No deterioration
Hydrogen peroxide 10%	OK	No deterioration
Gasoline	OK	No deterioration
Gas-Oil	5 days	Not supported
Xylene	OK	No deterioration
Methylene chloride	1 day	Not supported
Ethyl glycol acetate	OK	No deterioration
Acetone	10 days	Softening
Ethanol 10%	OK	No deterioration

* Quality specifications.

MODE OF USE

Before applying the product, check that the support is clean and free of traces of oil, grease, silicone, contaminating waxes or soil materials. If repair is needed, apply appropriate mortars.

It is applied with a brush, roller or airless spray. For cleaning, always use a suitable solvent (FUTURSOLVEN 01).
Pot life: 25-30 minutes at 20°C.

Performance: 1.5 Kg/m², applicable in 2 layers.

Repainting: 6-24 hours.

We recommend not allowing more than 48 hours to pass between coats.

In underground tanks with negative pressure or counterpressure, apply FUTUR PRIMER A as a primer (creates a vapor barrier from 0.500 Kg depending on the porosity of the support). It is advisable to test its condition.

Treat cracks, fissures, holes and singular points of the support with FUTURMASTIC PU or armor putty (FUTUR



ARMOR POLYESTER 50 GR).

Stable for 12 months from its manufacturing date, in its original, well-closed and undamaged container. Store in a dry and cool place at temperatures between +5°C and +25°C.

Not recommended for waterproofing pools in contact with chemically treated water. The product may yellow but it does not affect the waterproofing properties.

APPLICATIONS

Very useful in all types of construction companies, quick repair contracts, masonry in general, community maintenance, restoration, repair or construction of drinking water cisterns, etc.

Of application in:

Waterproofing and protection of retention tanks (water storage tanks and irrigation channels, etc.).

Drinking water tanks.

Supported supports: Concrete, cement, metal tanks, etc.

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.