



FUTURCOAT POLIUREA FLOOR

2 COMPONENT HOT APPLICATION POLYUREA COATING FOR WATERPROOFING AND PROTECTION

100% solids two-component polyurea liquid membrane for hot application. Product with excellent flexibility recommended for industrial and commercial applications that require high resistance to abrasion and impact.

PROPERTIES

- Fast curing.
- Ultra-fast gel formation time (7-12 seconds).
- Membrane without bubbles or defects.
- 100% solids.
- Without plasticizers.
- Catalyst without toxic heavy metals.
- The curing and formation of the membrane is not affected by humidity or other weather conditions.
- Excellent resistance to extreme temperatures (-40°C to +80°C). Breaking temperature of 350°C.
- Excellent mechanical properties, high resistance to tension, breakage and abrasion.
- Good resistance to chemical agents.
- Permeable to water vapor. Allows perspiration without moisture accumulation under the membrane.
- Availability of primers for almost any type of media.

PHYSICAL-CHEMICAL CHARACTERISTICS

Appearance*:	Viscous liquid	
Presentation:	225 Kg (Comp. A)	230 Kg (Comp. B)
Color*:	Comp. A: Yellow-brown.	Comp. B: Colorless
Density at 20 °C*:	Comp. A: 1,120 Kg/L	Comp. B: 1,800 Kg/L
Viscosity:	Comp. A: 1000 cP	Comp. B: 1800 cP
Technical data of the membrane		
Service temperature:	-40 °C to 80 °C	
Breaking temperature:	350 °C	
Hardness:	Shore A: > 90. Shore D: > 40	
Tensile strength at 23 °C:	> 1 mPa	
Elasticity at 23 °C:	> 350%	
Loss of mass due to abrasion:	127 mg	
Water vapor permeability:	0.8 gr/m ² .h	
Curing time:	7-12 seconds	
Performance:	1.5-2 Kg/m ²	
Complies with the requirements of the Technical Building Code (CTE) CE Marking		

* 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. The support must be dry, without residual moisture. We recommend using a primer appropriate to the characteristics of the support.

The product is for hot application: The containers of the two components must be heated to a temperature of about 25°C before mixing.

Mix the two containers (1/1 by volume) using a low-speed electric stirrer.

Application with a Graco GH833 two-component gun, which maintains the product at 80°C, also in a hose and with a power of 230 psi (\pm 200 bar) using an active carbon mask and taking into account the pot life of the product. For cleaning, always use FUTURSOLVENT 01.

Yield is 1.5 to 2 Kg/m².

Pot life: 7-12 seconds. Once the application is done, the product is passable after 1 minute.

In case of dilution, apply FUTURSOLVENT 01 in a maximum proportion of 10%.

Singular points, supports with a lot of movement, active cracks, etc. must be reinforced. We recommend reinforcement with armor (FUTUR ARMOR POLYESTER 50 GR) or putties (FUTURMASTIC PU).

Limitations:

Do not apply to unstable supports.

In closed areas, ensure proper ventilation during application and 24 hours later.

Avoid the formation of puddles of the product.

Incorrect treatment of fissures and singular points can lead to reduction of the useful life of waterproofing. When exposed to the sun, protect with aliphatic varnish, avoiding yellowing, change in tone or chalking.

Stable stored in a dry place at a temperature of 5-25°C for 12 months in unopened original packaging.

APPLICATIONS

Very useful in all types of construction companies, public works and repair contracts for applications with hot polyurea.

Supported media:

Waterproofing and protection of covered parking lots with heavy traffic, train and bus stations, stadium stands, shopping centers, etc.

Retention tanks, water tanks and irrigation canals, etc.

Covers with heavy protection (bridge platforms and concrete plates, etc.).

Passable covers (Terraces, balconies, etc.).

Garden roofs. Buried and perimeter walls.

Protection of polyurethane or polystyrene foam.

Sealing cementitious surfaces.

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.