

Product

STARFLEX MONO BT

cod. 5096 9005



**SINGLE-COMPONENT MOISTURE CURING LIQUID POLYURETHANE
MEMBRANE MODIFIED WITH SELECTED BITUMEN**

Features

- Easy application by means of brush, roller or airless spray.
- High adhesion.
- Abrasion resistance.
- Water impermeability.
- Water vapor permeability.
- Crack-bridging capacity.
- Resistant to immersion into water.
- Ideal for outdoor non exposed.
- Operating temperatures from -40°C to +90°C in air, (+200°C for short time).

Application fields

Waterproofing systems with or without reinforcement for:

- Retaining walls and basements.
- Waterproofing of wet areas.
- Terraces and balconies before laying the final coating.
- Foundations.
- Flashing and coverage details.
- Podiums and decks.
- Roofing.

Application

PRODUCT PREPARATION

One-component product ready to use after mixing carefully.

SUBSTRATE PREPARATION

Substrates to be treated must be sound, clean and free from contaminations and debris.

STARFLEX MONO BT adheres directly on concrete. For better adhesion and to avoid support blows, use PRIMER 0230 or DUROGLASS FF4416. For substrates with pores that are more difficult to close, we can use the PRIMER 0260 in more than one coat, and interposing a light scatter of quartz. Very humid substrates can be treated with specific DPM primers such as DUROGLASS FU BIANCO TIX.

If the substrate is damp or subject to back pressure, DUROGLASS FU BIANCO TIX or DUROGLASS FU RAPID must be applied in one or two coats, according to their technical data sheet.

For repairs of existing waterproofing, clean the surface and apply PRIMER 0230 or DUROGLASS FF4416. These primers adhere to a wide variety of materials, if there is any doubt, contact the technical service. Last step, Proceed with the application of STARFLEX MONO BT.

PRODUCT APPLICATION

STARFLEX MONO BT can be applied by brush, squeegee, roller or airless spray (pressure 130-150 bar and nozzle 0,031"-0,035").

Roller application is necessary for reinforced systems.

For non-reinforced system: apply two coats of product, with a consumption of 0,7-0,8 Kg/m² for the first layer and 0,7-0,9 Kg/m² for the second. (over-application time 24 hours maximum)

If the substrate is horizontal or slightly sloping, the maximum amount of product which can be applied without reinforcement is 0,800 Kg/m² per layer.


For reinforced systems: use STARTEX NT and impregnate it with two layers of 1,1 -1,6 Kg/m² each.

Clean the tools with solvent DILUENTE 15 after every use.

Technical data

Color	Black
Specific weight * UNI EN ISO 2811-1	1,35 ± 0,07 g/ml
Viscosity at 20°C UNI EN ISO 2555	14.000 ± 3.000 mPa.s
Solid content EN ISO 3251	c.a. 81% in weight c.a. 70% in volume
Theoretical consumption	1.600 – 2.000 g/m ² in more than a coat
Theoretical thickness	900 – 1.100 µm
Curing at 22°C, 50% U.R.	- dry to the touch 3-4 hours - insensitive to rain 4 hours - over application 24 hours maximum - completely cured 10 days
The product is moisture curing. The rapidity of hardening is strongly influenced by relative environmental humidity. The speed of reaching the "dry to the touch" condition depends on the amount of ACCELERANT 1:	
Permeability to carbon dioxide EN 1062-6	Sd > 50 m
Water vapor permeability EN ISO 7783-2	Sd < 5 m
Capillary absorption and permeability to water	< 0,1 kg/m ² · h ^{0.5}

EN ISO 1062-3	
Adhesion to concrete (traction) EN 1542	> 4,0 MPa
Crack bridging EN 1062-7	Static method A: A5 (23° C) Dynamic method B: B4.2 (23° C)
Wear resistance EN ISO 5470-1	Mole H22- 1000 g, 1000 giri < 350 mg
Shock resistance EN ISO 6272	4Nm
Adhesion to humid concrete EN 13578	No swelling, no cracks, no spalling
Resistenza a trazione* UNI EN 12311-2	> 4 M Pa
Elongation at failure UNI EN 12311-2	> 400 %
Shore A Hardness EN ISO 868*	70
Liquid applied water-proofing products to be used under the ceramic tiles, glued with adhesives Initial membership Adhesione after immersion in water UNI EN 14891	> 0,5 MPa > 0,5 MPa
Storage	12 months from date of production if stored properly in original, unopened sealed packaging, in a dry place at temperatures between +5°C and +35°C.

		
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MPM Srl - Via Adda, 15- 20090 Opera (MI)		
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1305-CPR-1222		
EN 1504-2	DoP 029	Product type 6828
Protection against ingress 1.3 (C) , Moisture control 2.2(C); Physical resistance 5 1.(C); Increasing resistivity 8.2 (C).		
CO₂ permeability	s _D > 50 m	
Water vapour permeability	Class I	
Liquid water permeability	w < 0,1 kg/m ² x h ^{0.5}	
Bond strength by pull-off	> 2,0 N/mm ²	
Crack bridging	A5 (23°C) > B4.1 (23°C)	
Impact resistance	Class I	
Abrasion resistance	< 3000 mg	
Hazardous substances	The hardened product does not release hazardous substances	
Reaction to fire	F _{FL}	
Exposition to artificial atmospheric agents	No blistering, no cracking, no flaking	

I dati e le prescrizioni riportate nella presente scheda, basati sulle migliori esperienze pratiche e di laboratorio, sono da ritenersi in ogni caso indicativi. Considerate le diverse condizioni di impiego, e l'intervento di fattori indipendenti da MPM (supporto, condizioni ambientali, direzione tecnica di posa, ecc.) chi intenda farne uso è tenuto a stabilire se il prodotto sia adatto o meno all'impiego. Il ns. obbligo di garanzia si limita alla qualità e costanza del prodotto finito per i dati sopra riportati, solo per schede tecniche corredate di timbro e controfirma da parte del personale delegato della ns. sede. Il cliente, inoltre, è tenuto a verificare che tali valori siano validi per la partita di prodotto di suo interesse e non siano superati e/sostituiti da edizioni successive e/o nuove formulazioni. I dati contenuti possono variare in ogni momento senza obbligo di preavviso da parte di MPM.