

Product

STARFLEX BLACK TIX

cod. 6842 M100



ONE COMPONENT THIXOTROPIC MOISTURE CURING LIQUID POLYUREA MEMBRANE

Features

- Easy to apply by means of brush, roller, or airless spray.
- Suitable for vertical applications
- High thickness in one coat.
- High adhesion.
- Wet on wet applications.
- High abrasion resistance.
- High elasticity and high tensile strength and resistance.
- Crack-bridging.
- Resistant to immersion into water.
- Water vapor permeable.
- Ideal for outdoor application. Can be over coated to improve U.V. resistant.
- Substrate application temperature range: from + 5 ° C to + 35 ° C (R.H. < 85%).
- Operating temperatures from -30°C to +80°C in air, (+200°C for short time).

Application fields

Waterproofing systems with or without reinforcement for:

- Roofs, terraces and balconies.
- Construction details -flashing.
- Retaining walls.
- Roof gardens.
- Renewing old membranes.
- Wet areas under tiles

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.

CONCRETE: Application by roller or airless spray of **PRIMER 0260** or **PRIMER 0230**, one component polyurethane solvent based rapid (**150-200g/sqm**). For trowel applications with high thickness use DUROGLASS P1/2, epoxy binder solvent free (**consumption from 0,4 kg/sqm**).

WET SUBSTRATE: 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.

DUROGLASS FU BIANCO TIX diluted at 15% with water (theoretical consumption **0,5 kg/sqm**). Alternatively application of two component rapid, epoxy based **DUROGLASS FU RAPID**, diluted at 15% with water and broadcast with quartz 0,1-0,3 mm (**0,5 kg/sqm**)

BITUMINOUS MEMBRANE: It's possible to apply STARFLEX BLACK TIX directly without primer.

Alternatively, application of **PRIMER 0230**, rapid solvent based (0,150 kg/sqm).

It is also available in an ultra-rapid version **PRIMER 0230 R**.

For odourless applications, it's possible to use a water based epoxy primer **STARCEMENT 5/A** (0,1 kg/sqm), diluted in ratio 1:1 with water, in order to consolidate the protection coat of bituminous membrane.

ALUMINUM AND CARBON STEEL application by roller or airless spray of two-component anti-corrosion primer, **DUROGLASS FF4416 (0,2 kg/sqm)**.

If necessary manual bonding of butyl band overcoated with nonwoven reinforcement on the overlaps of sheet metal in the perpendicular sense to the slope of the roof to distribute the tensions.

PVC/TPO

Application of **PRIMER 0130**, polyurethane one component (**0,15 kg/sqm**).

PRODUCT APPLICATION

STARFLEX BLACK TIX can be applied by roller or brush or airless spray (pressure 250-300 bar and nozzle 0,02"-0,03").

Roller application is necessary for reinforced systems.

Non reinforced system: apply two coats of product, with a consumption of 1-1,2 Kg/m² for layer. (over-application time from 6 to 24 hours maximum)

On vertical substrate the maximum amount of product which can be applied without reinforcement is 1,5 Kg/sqm per layer.


In case of localized repairs, apply a layer of **STARFLEX BLACK TIX** with a consumption of 1,5 kg/m². Local patch work can be done with self-adhesive membranes or other compatible systems.

Reinforced system: apply a first coat of waterproofing membrane STARFLEX BLACK TIX with a consumption of 1,5 kg/sqm. Application of reinforcement STARTEX NW or STARTEX NW DETAILS. With wet on wet technical application of the second layer of the product with consumption of 1,0-1,5 kg/sqm.

Clean the tools with DILUENTE 15 after every use.

Technical Data

Color	Grey
Specific weight UNI EN ISO 2811-1	1,46 ± 0,03 g/ml
Viscosity at 20°C UNI EN ISO 2555	25.000 ± 5.000 mPa.s
Solid content EN ISO 3251	83±1% by volume, 87% by weight
Theoretical consumption	2.000 -2500 g/m ²
Theoretical Thickness	1000-1250 µm
Hardening at 22°C, 50% R.H.	- dry to the touch 6-8 hours - insensitive to rain 1-2 hours - over-application 24 hours - completely cured 10 days
Permeability to carbon dioxide EN 1062-6	Sd > 50 m
Permeability to water vapour EN ISO 7783-2	Sd < 5 m
Capillary absorption and permeability to water EN ISO 1062-3	< 0,1 kg/m ² · h ^{0.5}
Adhesion to concrete (traction) EN 1542	> 6 MPa
Tensile strength UNI EN 12311-2	> 6 MPa
Crack bridging ability EN 1062-7	A method - static: A5 (23) B method - dinamic: B4.2 (23)
Wear resistance EN ISO 5470-1	Grinder H22- 1000 g, at 1000 rpm < 350 mg
Adhesion to wet concrete EN 13578	No swelling, no cracks, no spalling
Elongation at failure UNI EN 12311-2	> 600 %
Hardness shore A EN ISO 868	70
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.

		
1305		
MPM Srl - Via Adda, 15- 20090 Opera (MI)		
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1305-CPR-1222		
EN 1504-2	DoP 029	Product type 6842
Protection against ingress 1.3 (C) , Moisture control 2.2(C); Physical resistance 5 1.(C); Increasing resistivity 8.2 (C).		
CO2 permeability	sD > 50 m	
Water vapour permeability	Class I	
Liquid water permeability	w < 0,1 kg/m ² x h0.5	
Bond strength by pull-off	> 2,0 N/mm ²	
Crack bridging	A5 (23°C) > B4.2 (23°C)	
Impact resistance	Class I	
Abrasion resistance	< 3000 mg	
Hazardous substances	The hardened product does not release hazardous substances	
Reaction to fire	FFL	
Exposition to artificial atmospheric agents	No blistering, no cracking, no flaking	