

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

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

		
<b>1305</b>		
<b>MPM Srl - Via Adda, 15- 20090 Opera (MI)</b>		
<b>12</b>		
<b>1305-CPR-1222</b>		
<b>EN 1504-2</b>	<b>DoP 029</b>	<b>Product type 6842</b>
<b>Protection against ingress 1.3 (C) , Moisture control 2.2(C); Physical resistance 5 1.(C); Increasing resistivity 8.2 (C).</b>		
CO2 permeability	sD > 50 m	
Water vapour permeability	Class I	
Liquid water permeability	w < 0,1 kg/m <sup>2</sup> x h0.5	
Bond strength by pull-off	> 2,0 N/mm <sup>2</sup>	
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	

