

## INDUSTRIAL ROOFING - COLD - EXPOSED - BITUMINOUS MEMBRANE WITH SOLAR PANELS

RENEWING OLD MEMBRANES / SPECIFIC WATERPROOFING SYSTEM FOR INDUSTRIAL ROOFS WITH SOLAR PANELS

### SUBSTRATE PREPARATION

- Substrate to be treated must be free from debris and dust. Clean the substrate by either water jetting or air blowing and/or brushing.

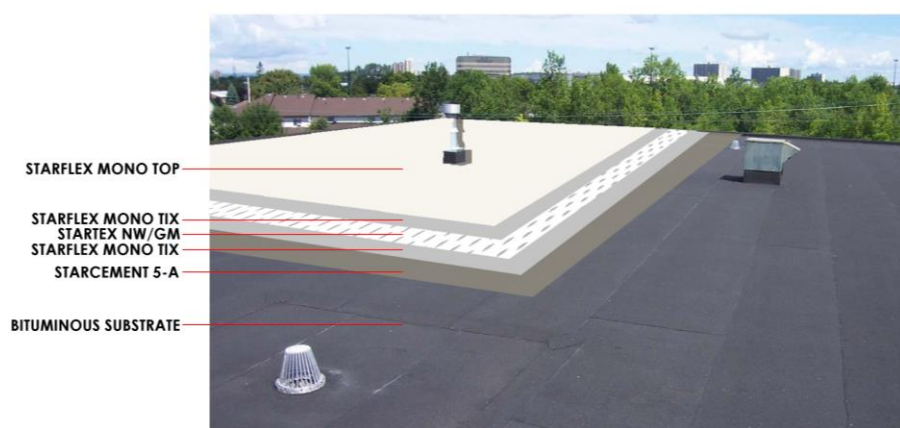
### SYSTEM

#### PRIMERS:

- **STARCEMENT 5/A**, water based epoxy primer to be applied by means of a roller or brush or airless spraying device (with a consumption of 100-150 g/m<sup>2</sup> of 1:1 diluted product with water). Over application time must be between 60 minutes and 16 hours according to environmental conditions.

Using it by roll, brush or airless (with consumption of 100-150 g/m<sup>2</sup> of 1:1 diluted product with water). Over application time must be between 60 minutes and 16 hours according to environmental conditions.

- **PRIMER 0230**, moisture curing polyurethane, with a consumption of 0,100-0,150 Kg/m<sup>2</sup>.



#### WATERPROOFING MEMBRANES:

- **STARFLEX MONO TIX**, (available also in the *fire resistant* grade, BROOF T4), one component thixotropic moisture curing liquid elastic polyurethane membrane, ready to use after mixing carefully with mixer at low r.p.m., Application can be done by roller or brush or airless, spray 45:1 or 60:1 (pressure 130-150 bar and nozzle 0,021" or adjustable). Roller application is necessary for reinforced systems.

Consumption, even on vertical substrates is suggested at the maximum amount of 2,5 Kg/m<sup>2</sup> per layer (without reinforcement), even though thicker layers are achievable. Roller application is necessary for reinforced systems.

Temperature of the product should be not lower than 20-22° C for spraying (best to check with a glass thermometer by dipping) otherwise the product could be too viscous. In cold environments mixing the product for 5 mins with a mixer can help rising the temperature of the product considerably.



**1 = Satisfactory // 2 = Comparable // 3 = Good // 4 = High // 5 = Excellent**

- **REINFORCED SYSTEM:** use **STARTEX NW** or **GM** and impregnate with two layers of 1-1,5 Kg/m<sup>2</sup> each and embed on the fresh layer the reinforcement. STARFLEX MONO TIX allows also wet on wet application of the second coat immediately with the same consumption of 1-1,5 Kg/m<sup>2</sup>. The second coat can be applied also the next day as soon as curing allows the system to be walked over. Consider dry climates to be slowing down the curing of the product.

*Important notice* - Having enough product on the substrate through the first coat application is mandatory for avoiding the falling of the reinforcement (NW) due to low stickiness of the substrate.

#### **TOP COATS:**

- **STARFLEX MONO TOP**, one component elastic aliphatic polyurea based top coat for manual application at a rate of 0,15-0,60 kg/m<sup>2</sup> per coat. The product for anti-slip can be broadcasted with quartz on the first of the 2 top coats. The product for anti-slip can be broadcasted with quartz. When 2 coats must be applied do not let more than 48 hours between the coats.



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- **STARFLEX MONO TOP 1**, one component elastic aliphatic polyurea based top coat for manual application at a rate of 0,15-0,60 kg/m<sup>2</sup> per coat. The product for anti-slip can be broadcasted with quartz on the first of the 2 top coats. When 2 coats must be applied do not let more than 48 hours between the coats.



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## FEATURES

- Water vapour permeable, crack-bridging ability.
- Ideal for outdoor application.
- High elasticity and high tensile strength and resistance.
- Applicable from +5°C to 35°C substrate temperature (R.H. <85%).

- Operating temperatures from -30°C to +80°C in air, (+200 for short time).

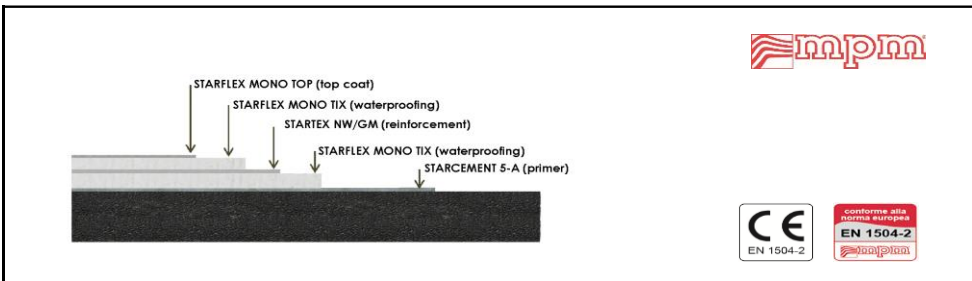
Industrial roofing exposed cold bituminous				1 mm	
layer		Consumption Kg/mq	thickness DFT mm	Coverage cost g/micron	
Primer	1	STARCEMENT 5/A	1	0	33
Primer	1	PRIMER D230/PRIMER D230R	1	0	13
Waterproofing	2	STARFLEX MONO TIX	5	0	76
Waterproofing	2	STARFLEX MONO	2	0	91
Reinforcement	3	STARTEX NW/GM		5	
Waterproofing	4	STARFLEX MONO TIX	0	0	76
Waterproofing	4	STARFLEX MONO	9	0	91
Top Coat	5	STARFLEX MONO TOP	3	1	02
Top Coat	5	POLISTAR E/P	2	1	17
				1	

Over-application (h)
1
1
24
24
24
24
Can be walked on 3 days

Features
Nontoxic, odorless and easy to apply
Can be overcoated to improve UV protection
Reinforced system
Suitable for vertical applications
No yellowing or colour changing
Operating temperature
-30
90

Continuous waterproofing membranes, concrete surfaces protection  
Ideal for: roofs, Renewing old membranes.

One component Moisture curing liquid polyurethane





materiali protettivi milano srl

**Sede legale**

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