



## Product

# STARFLEX MONO

code 6828 M100

## SINGLE COMPONENT MOISTURE CURING LIQUID POLYURETHANE MEMBRANE

## Features

- Easy to apply by brush, roller or airless spray.
- Fast hardening.
- Good adhesion.
- Abrasion resistant.
- Excellent elasticity and mechanical performance on traction and cutting.
- Waterproof.
- Can be penetrated by water vapour.
- Crack bridging capacity.
- Resistant to immersion in water.
- Resistant in the open air and can be painted over for more effective UV protection.
- Applicable to the support from +5°C to +35°C (RH < 85%).
- Operating temperature from -0°C to +80°C in air, (+200°C for short periods).

## Field of application

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Waterproofing of the following with or without reinforcement:

- Roofs terraces and balconies.
- Tanks, channels and ducts.
- Sprayed polyurethane insulation.
- Road surfaces of bridges and viaducts.
- Car parks and sports installations.
- Baths.

## Application

Product ready for use after careful homogenisation with a low rev agitator.

At this stage, it can be diluted with 5-10% in weight of STAR 15 thinner, or 7-10% in weight of ACCELERANTE 1 can be added to reduce the hardening time.

The surfaces to be treated have to be in good condition, compact and free of dust, loose and flaking layers or parts coming loose, and contamination by foreign bodies.

STARFLEX MONO adheres directly to normally porous concrete, but in the presence of counterthrust, damp surfaces or immersion in water we recommend preparing the surfaces with DUROGLASS FU BIANCO TIX, which should also be applied for smoothing purposes where necessary, to eliminate major porous zones and pitting.

The same treatment should be applied to tiles, ceramics, marble, etc.

On sprayed polyurethane or old bituminous insulation, first apply around 100 g/m<sup>2</sup> of PRIMER 0230 at an interval of 60 minutes to 4 hours.

As a non-reinforced waterproofing layer, apply at least two coats of the product at 0.5-0.6 Kg/m<sup>2</sup> per coat at an interval of 6 to 48 hours.

In horizontal applications or on slight inclines, it is possible to apply without reinforcement up to 0.800 Kg/m<sup>2</sup> per coat. As reinforcement, use STARTEX 150, with two coats of 0.700-0.800 Kg/m<sup>2</sup>.

After at least 24 and no more than 48 hours, it is possible to apply non-yellowing coloured protection with ELASTOMUR P at 100-150 g/m<sup>2</sup>.

STARFLEX MONO may be applied by brush, scrubbing brush, roller (essential for reinforced treatments) or airless spray at pressures of 130-150 bar and 0.031"-0.035" nozzles.

The tools should be washed thoroughly with STAR 15 thinner after use.

Technical specifications

<b>Colour</b>	Light grey
<b>Specific weight</b>	1.35 ± 0.05 Kg/l
<b>Viscosity at 20°C</b>	10,000 ± 4,000 mPa.s
<b>Dry residue</b>	> 85% in weight > 77% in volume
<b>Theoretical consumption</b>	0.5-0.8 Kg/m <sup>2</sup> per layer
<b>Theoretical thickness</b>	270-440 microns per layer
<b>Hardening at 22°C, RH 50%</b>	- dry to the touch 6-8 hours (2 hours with 7% ACCELERANTE 1) - insensitive to rain 5 hours - can be walked on 12 hours - over-application minimum 6 hours 48 hours maximum completely hardened 30 days
<b>UNI EN 12311-2 stretching to breakage point</b>	> 450%
<b>UNI EN 12311-2 traction resistance</b>	6 MPa
<b>ASTM D 2240 Shore A hardness</b>	> 75
<b>UNI EN 1931 resistance factor to the spread of water vapour</b>	2,000 ± 500
<b>Storage</b>	When kept in the original sealed packs in a dry protected place at temperatures from +5°C to +35°C the product will keep for 6 months.

The figures and information contained in this schedule are based on the best practical experience and laboratory testing, but should be regarded as guidelines only. Taking the conditions of use and factors outside the control of MPM into account (type of support, weather conditions, laying methods, etc), the customer should check to ensure that the product is suitable for the type of use before proceeding. Our guarantee is limited to the quality and consistency of the finished product on the basis of the information set out above, and provided the technical schedules are stamped and signed by our authorised representative. The customer should also ensure that the information is valid for the batch of product to be used, and that this has not been rendered obsolete by later editions or the introduction of new formulations. The information set out above is subject to alteration by MPM without notice.