

Product

# STARFLEX C

cod. 6826 M100 – 9203 0000



**TWO COMPONENT HIGHLY ELASTIC CEMENTITIOUS WATER BASED LIQUID MEMBRANE.**

Features

- High elasticity, toughness.
- Applicable and gains adhesion to different substrates.
- High permeability to water vapor.
- Substrate application temperature range: + 7 ° C to + 35 ° C.
- Operating temperature -20°C to + 80°C in air.

Application field

- Seamless waterproofing
- Waterproofing of balconies, terraces, flat roofs, plant boxes.
- Waterproofing of concrete surfaces exposed to weathering.
- Foundation walls.
- Confined waterproofing to be finished with tiles even in pools.

Application

### **PRODUCT PREPARATION**

2-component compound to be mixed prior to use with mechanical stirrer at low r.p.m. acting as follow:

Add component B to component A and mix for 3 minutes, then until any eventual lump have been dissolved.

### **SUBSTRATE PREPARATION**

Concrete substrate must be clean, dry and free from contaminations and debris. Substrate must be sound and with a minimum pull of strength of 1.5 N/mm<sup>2</sup>. Substrate can be slightly damp but not wet.

On porous substrates or when the application is carried out at high temperatures, STARFLEX C can be thinned with 3 – 7 % of water.

### **PRODUCT APPLICATION**

The product can be applied by roller, brush or trowel.

Apply one layer of 900 -1200 g/m<sup>2</sup> of STARFLEX C and directly on the wet product apply the reinforcement STARTEX FC.

Apply a second layer of 1200 -1400 g/m<sup>2</sup> of STARFLEX C, take care to avoid the formation of bubbles.

When the last layer is completely cured, tiles can be applied using the adequate adhesive. (C2TE S1)

STARFLEX C can be used also for pools waterproofing. In this case, the adhesive for tiles shall be adequate to chlorinate water immersion.

If tiles won't be applied on STARFLEX C, the waterproofing system can be completed with the top coat POLISTAR P8670W (minimum consumption: two layers, 100-120 g/m<sup>2</sup> each) or with the top coat STARFLEX W LISCIO. Please, read carefully products TDS.


You can clean the tools with water.

**Technical Data**

<b>Color</b>	Grey
<b>Specific weight UNI EN ISO 2811-1</b>	1,24 ± 0,06 Kg/l
<b>Mixing Ratio</b>	100 parts by weight of component A (liquid) 50 parts by weight of component B (filler)
<b>Viscosity at 20°C UNI EN ISO 2555</b>	7000 ± 1400 mPa.s
<b>Pot life* 22°C UNI EN ISO 9514</b>	> 4 hours
<b>Solid contents UNI EN ISO 3251</b>	77% by weight 72% by volume
<b>Theoretical consumption</b>	2,2 – 2,5 Kg/m <sup>2</sup>
<b>Theoretical thickness</b>	1.3 – 1,5 mm
<b>Hardening at 22°C, 50% H.R.</b>	dry to the touch                      4 - 6 hours not sensible to water                5 - 7 hours deeply cured                            24 - 36 hours completely cured                      28 days
<b>Permeability to carbon dioxide EN 1062-2</b>	Sd > 50m
<b>Permeability to water vapour UNI EN ISO 7783-2</b>	Sd < 50m
<b>Capillary absorption and permeability to water UNI EN 1062-3</b>	W < 0,1 kg/(m <sup>2</sup> · h <sup>0,5</sup> )
<b>Crack bridging UNI EN 1062-7</b>	Method A static: A5 (23)
<b>Elongation at break point (with STARTEX FC) UNI EN 12311-2</b>	> 80 % longitudinal

<b>Elongation at failure</b> <b>(with STARTEX FC)</b> <b>UNI EN 12311-2</b>	> 55 % trasverse > 180 %
<b>Hardness shore A</b> <b>UNI EN ISO 868</b>	> 70
<b>Resistance to severe chemical attack</b> <b>UNI EN 13529</b>	Swimming pool water                      Class I & II
<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.

\*measured when the initial viscosity has doubled

 1305		
<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 006</b>	<b>Prodotto tipo 6826</b>
<b>Protection against ingress.3 (C)</b>		
Permeability to CO2		S <sub>D</sub> > 50 m
Permeability to water vapour		Class I
Capillary absorption and permeability to water		< 0,1 kg/m <sup>2</sup> x h <sup>0.5</sup>
Direct traction adherence test		≥ 0,8 N/mm <sup>2</sup>
Crack bridging		A5
Impact resistance		NPD
Thermal shock		NPD
Abrasion resistance		NPD
Resistance to severe chemical attack Dangerous substances		The cured product doesn't release any dangerous substance
Fire reaction		F
Linear shrinkage		NPD
Thermal expansion coefficient		NPD
Oblique shear test		NPD
Compatibilità termica		NPD
Chemical resistance		NPD
Resistenza allo strisciamento		NPD
Exposure to artificial stmospheric agents		NPD
Anti-static behaviour		NPD
Compressive strenght		NPD
Adhesion on green concrete		NPD

All data and prescription reported on the present data sheet are based on the best lab and practical experience and should anyhow be considered as indicative. Considering all different uses and the occurring of situations and conditions independent from MPM ( substrate, climate conditions, technical management etc. Those who intend to use the product should verify whether it is suitable for the specific conditions in which it will be applied before starting. MPM's responsibility covers only the quality and production standards referring to the above listed data only. Data should also be verified for latest available version of data sheets which could be surpassed by a new version. Data may change any time without notice from MPM.