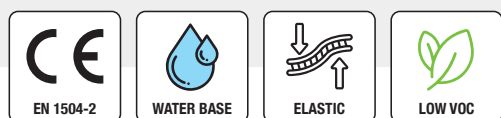


STARFLEX C

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



CHARACTERISTICS

Continuous, waterproof, tenacious and very **flexible** layer.

Highly **waterproof**.

Also applicable at **low temperatures** and on a **wet substrate**.

Fast curing.

Adheres to many types of substrates.

Usable on screeds or freshly poured concrete.

UV resistant.

Excellent permeability to water vapour.

Plaster effect finish.

Suitable for direct exposure to **swimming pool water** and **atmospheric agents**.

Contributes to obtaining credits for **LEED** certification.

It meets the requirements of the **1504-2** standard for coatings: product for chemical resistance 6.1, humidity control 2.2, increase in resistivity 8.2.

APPLICATION TEMPERATURE

Applicable **from +5°C to +35°C** on the substrate.

OPERATING TEMPERATURE

Operating temperature **from -20°C to +80°C** in air.

APPLICATION FIELDS

Liquid membrane for waterproofing of:

- Balconies, terraces.
- Roof decks.
- Flat roofs.
- Planters.
- Foundation walls.

Waterproofing and **flexible protection** of:

- concrete surfaces exposed to atmospheric agents.
- Hydraulic works in concrete (tanks, basins, pipes, channels, tanks).
- External buried walls

Reinforcement protective coating of concrete surfaces, against the effects of de-icing salts, frost-thaw attacks to improve durability.

STARFLEX C

SUBSTRATE PREPARATION

- Before treating any surface, it is important to ensure that it is in sound, compact condition and free from any foreign substances such as dust, dirt, oil, grease, release agents, etc.
- If the substrate is made of **cement**, it should be mechanically prepared and have a surface resistance to tearing greater than 1.5 MPA, which can be measured using suitable instruments.
- In the case of **ceramic substrates** or **old resinous coatings**, after adequate mechanical preparation, their adhesion to the substrate and the absence of pollutants should be checked.
- Any damaged joints, holes, or irregularities must be leveled and repaired with **STARCEMENT 385** type epoxy grout or **DUROGLASS P1/2** type epoxy mortar loaded with quartz or **ADDENSANTE NT2**.

Roughen the surface before laying. The choice of the mechanical preparation method (sandblasting, sanding, smoothing, shot peening or milling) is to be chosen on the basis of the conditions of the substrate and the type of coating to be used.

On **crumbling substrates** we recommend the preventive application of **STARCEMENT 5/A** water-based epoxy primer.

PRODUCT PREPARATION

Two-component product to be mixed thoroughly before use with a low-speed helical mechanical stirrer, operating as follows:

- Add and mix component B with component A and mix until completely homogenized.

STARFLEX C



PRODUCT APPLICATION

STARFLEX C can be applied in one or more coats by:

- Roller
- Brush
- Trowel

Proceed by defining the area to be treated beforehand, then apply a coat of 0.9 -1.2 Kg/m² of **STARFLEX C** and on the fresh product, apply **STARTEX FC**. Continue by applying a coat of 1.2 -1.4 kg/m² of **STARFLEX C** again, taking care to avoid the formation of air bubbles.

Once the product has hardened and dried, proceed with laying the tiles using a suitable adhesive.

STARFLEX C is also suitable for waterproofing swimming pools, use a tile adhesive suitable for continuous immersion in chlorinated water.

OVER APPLICATION

In the event that **STARFLEX C** must remain visible (trafficable occasionally and with caution), once the product has hardened and dried, apply **POLISTAR P 8670W** at a rate of 0.1 – 0.12 Kg/m² per coat (we recommend at least two hands).

WARNINGS AND PRECAUTIONS

- Blistering may occur if the laying substrate is not perfectly smooth and has small depressions or if a sufficient quantity of product is not applied to the substrate for complete impregnation of the fabric from bottom to top.

SAFETY AND CLEANLINESS

When applying these products, it is recommended to use goggles, masks and rubber gloves and all the PPE required by current regulations.

Clean the tools thoroughly after use with warm water.

For more information regarding the precautions for use, please refer to the safety data sheet.



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LAYING

STAGE 1



Cleaning of the laying surface and arrangement of the existing one.

STAGE 2



Reinforcement of the perimeter and construction details with **STARFLEX** liquid membrane and **STARTEX NW DETAILS** fabric.

STAGE 3



Application of **specific primer** for the existing laying surface.

STAGE 4



First coat application of **STARFLEX** liquid membrane.

STAGE 5



Placement of **STARTEX** fabric.

STAGE 6



Application of a second coat of **STARFLEX** liquid membrane.

STARFLEX C

TECHNICAL DATA		
Colour		Grey
Specific weight	UNI EN ISO 2811-1	1.24 ± 0.05 Kg/l
Mix ratio		100 parts by weight of component A (liquid) 50 parts by weight of component B (powder)
Viscosity at 20°C	UNI EN ISO 2555	7000 ± 1500 mPa.s
Pot life* 22°C	UNI EN ISO 9514	> 4 hours
Non-volatile substances	UNI EN ISO 3251	75% in weight, 70% in volume
Curing at 22°C, 50% R.H.		- track free: 4 - 6 hours - water immersible: 5 - 7 hours - fully cured: 24 - 36 hours - fully cured: 28 days
Permeability to carbon dioxide	EN 1062-6	SD > 50m
Permeability to water vapour	UNI ISO 7783-2	Sd < 50 m
Capillary absorption and water permeability	EN 1062-3	$w < 0.1 \text{ kg/m}^2 \cdot \text{h}^{0.5}$
Crack bridging	UNI EN 1062-7	Method A static: A5 (23)
Elongation to breakage (with STARTEX FC)	UNI EN 12311-2	> 80 % longitudinal > 55 % crosswise
Elongation to breakage	UNI EN 12311-2	> 180 %
Shore A hardness	UNI EN ISO 868	> 70
Resistance to severe chemical attacks	UNI EN 13529	Pool water Class I and II
Storage		The product in its original sealed packaging kept in a dry and protected place at temperatures between +5°C and +35°C will keep for 12 months.

* Measured at doubling the initial viscosity.

The data and instructions given in this sheet, based on the best practical and laboratory experiences, are to be considered in any case indicative. Considering the different conditions of use, and the intervention of factors independent of MPM (support, environmental conditions, technical laying direction, etc.) whoever intends to use it is required to establish whether or not the product is suitable for use. Our warranty obligation is limited to the quality and constancy of the finished product for the above data, only for technical sheets accompanied by stamp and countersignature by our delegated personnel. site. Furthermore, the customer is required to verify that these values are valid for their relevant batch of product and are not superseded and/replaced by subsequent editions and/or new formulations. The data contained may vary at any time without prior notice by MPM.