

STARFLEX ONE

SINGLE-COMPONENT WATERPROOFING COATING COMPOSED OF WATER-BASED BITUMINOUS ELASTOMER APPLICABLE BY ROLLER



CHARACTERISTICS

Water-based ecological product.

Easy to apply on **all substrates** (even slightly damp or vertical).

High elasticity (>800%).

Excellent adhesion to the substrate.

Excellent flexibility even at out temperatures.

Ready to use, no mixing or preparation required.

UV-resistant and suitable for occasional foot traffic.

Compatible with non-woven fabric to improve mechanical performance.

Coatable with cement mortars and paints.

Meets the requirements of standard **1504-2**.

APPLICATION TEMPERATURE

The ambient and substrate temperature must be **between +5°C and +40°C**.

WORKING TEMPERATURE

Operating temperature **-30°C to +80°C** in air.

FIELD OF APPLICATION

Systems for waterproofing:

- Repairs on bituminous membranes
- Concrete surfaces
- Eaves channels

- Foundations
- Waterproofing of bathrooms and showers under tiles

STARFLEX ONE

PREPARATION OF THE SUBSTRATE

STARFLEX ONE can be applied on bituminous sheathing, concrete, fiber cement, ceramic, plaster, plasterboard, wood and metal.

The surfaces to be treated must be sound, compact, free from dust and contamination by foreign substances (dirt, oil, grease, release agents, etc.).

The cementitious substrate, after suitable preparation, must have a surface resistance to tearing greater than 1.5 MPA, measured using suitable instrumentation.

Any loose parts and mould must be removed. Washing with a high-pressure cleaner is required.

Surfaces should be suitably roughened and water-cleaned before application. The correct mechanical preparation method (sandblasting, sanding, shot blasting or milling) must be chosen according to the condition of the substrate and the type of coating to be applied.

BITUMINOUS MEMBRANES: must be thoroughly pressure washed in order to remove dirt. Any cuts and tears should be repaired and any loose areas should be fixed or removed and replaced as necessary.

In case of application on carbonaceous metal, use **DUROGLASS FF4416** beforehand.

Before applying **STARFLEX ONE** pay particular attention to expansion joints and construction details, which must be suitably treated, also using the products of the STARTEX line.

PRODUCT PREPARATION

Ready-to-use single-component product.

DILUTION AND COLOURING

If the product is too thick, it can be diluted with 5% water.

STARFLEX ONE



PRODUCT APPLICATION

STARFLEX ONE can be applied either as a reinforced or unreinforced system.

- Brush
- Roller (essential for reinforced treatments)
- Squeegee

As an unreinforced waterproofing coating: apply at least two coats with a consumption of at least 1.0-1.2 Kg/m² per coat, with an interval of 12 hours to 48 hours maximum.

In vertical application, up to 1 kg/m² per coat can be applied without reinforcement.

As a reinforced waterproofing system: application of the first coat of **STARFLEX ONE** waterproofing membrane with indicative consumption of at least 1.5-2.0 Kg/m². Fresh application of a layer of **STARTEX NW** or **STARTEX NW DETAILS** polyester fabric, making sure it adheres perfectly to the underlying waterproofing layer, followed by application of the second coat of **STARFLEX ONE** waterproofing membrane with indicative consumption of at least 1.0-1.5 Kg/m².

In the case of **localised repairs**, also apply the product in one or more coats with total consumption of approximately 2.5-3.0 kg/ m² and possible reinforcement with **STARTEX NW DETAILS** fabric.

Waterproofing under tiles: application of the first coat of **STARFLEX ONE** waterproofing membrane at a rate of 1.5-2.0 kg/m². Fresh application of a layer of **STARTEX NW** or **STARTEX NW DETAILS** polyester fabric, making sure it adheres perfectly to the underlying waterproofing layer, followed by the application of the second coat of **STARFLEX ONE** waterproofing membrane at a rate of 1.0-1.5 Kg/m².

On the fresh coat, sprinkle quartz with a grain size of at least 0.1-0.5 mm to create a proper bond for the tile adhesive.

The STARTEX GM glass fiber reinforcement fabric can also be used in all the above-mentioned processes, with an increase in consumption of **STARFLEX ONE** product.

OVERAPPLICATION

STARFLEX ONE can be overcoated with the water-based acrylic finish **STARFLEX MONO TOP W** at least 48 hours after application.

WARNINGS AND PRECAUTIONS

- Do not apply **STARFLEX ONE** on very hot surfaces as the water inside would evaporate too quickly with consequent problems of adhesion to the substrate.
- The product fears frost. Do not store or apply at temperatures below +5°C.

SAFETY AND CLEANING

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

After use, tools should be thoroughly cleaned with lukewarm water.

For more information on precautions of use, please refer to the safety data sheet.



STARFLEX ONE

TECHNICAL DATA

Colour		Black
Specific weight *	UNI EN ISO 2811-1	1.05 [g/cm ³]
Viscosity (Brookfield)	UNI EN ISO 2555	40,000-45,000 [cP] Thixotropic
Elongation at +23°C		<i>approx. 800</i>
Permeability to CO₂	EN 1062	Sd>50 m
Class of adhesives for ceramic tiles	EN 12004:2007+ A1:2012	C2
Water impermeability	UNI EN 14891	No penetration, waterproof
Water vapour permeability	EN 7783	5 m ≤ Sd < 50 m - class II
Flash point		Not flammable
Waiting time	For application of the next coat	24 h
Waiting time	For overcoating ceramics or paints	48 h
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.

All data and prescriptions given in this technical data sheet are based on the best practical and laboratory experience and are to be considered indicative only. Considering all the different uses and the occurrence of situations and conditions independent of MPM (substrate, climate, conditions, technical management, etc.), anyone intending to use the product should check whether it is suitable for the specific conditions in which it will be applied before starting. MPM's responsibility covers quality and production standards by referring only to the data listed above. The data must also be verified for the latest available version of the data sheets, which may be superseded by the new version. Data may change at any time without prior notice from MPM.