

STARFLEX HYBRID

**SINGLE-COMPONENT, HIGH-PERFORMANCE, 29
ALIPHATIC LIQUID MEMBRANE FOR WET APPLICATION**



CHARACTERISTICS

- Ready-to-use** and easy to apply **product**.
- Does not fear damp or wet substrates**.
- Applicable in all conditions:** withstands critical environmental conditions not suitable for polyurethane products.
- Balanced thixotropy: **smooth in application, does not drip vertically**.
- Does not require primer**.
- Excellent adhesion** on many materials.
- Fast curing and **immediately rain proof**.
- Very low odour**.
- Forms a **continuous sheath** without risk of reaction bubbles and/or blistering.
- High elasticity**.
- Resistant to standing water** and UV radiation.
- Non-flammable**, avoids transport and site problems.
- Contains no isocyanates**.
- Non-harmful** material for humans and the environment.

APPLICATION TEMPERATURE

Ambient application temperature from **+5°C to +40°C**.

WORKING TEMPERATURE

Working temperature **from -30°C to +90°C** in air.

FIELD OF APPLICATION

Waterproofing with or without reinforcement of:

- Roofs, terraces and balconies.
- Repair and renovation of old membranes.
- Bathrooms and wet rooms before laying floor coverings.
- Dry, damp or wet concrete and sheathing decks.

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SURFACE PREPARATION

- 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 must have a **surface resistance** to tearing greater than **1.5 MPA**, measured using suitable instruments.
- Any **loose parts and debris must be removed**. On non-absorbent surfaces (old membranes), 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 covering to be laid.

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 PVC or metal, use **PRIMER 0130R** or **DUROGLASS FF4416** beforehand.

Before applying **STARFLEX HYBRID** 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 after thorough mixing with a low-speed mixer.

DILUTION AND COLOURING

Absolutely no alcohol or any other solvents should be used.

The product is ready to use and does not require dilution.

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PRODUCT APPLICATION

STARFLEX HYBRID can be applied **either as a reinforced or unreinforced system** by using:

- Brush
- Roller
- Squeegee

As an unreinforced waterproofing coating: apply at least two coats with a **consumption of 1-1.2 kg/m² per coat**, with an interval of 6 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 HYBRID waterproofing membrane with **indicative consumption of 1.5 kg/m²**.

Application on fresh coat 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 on fresh coat of STARFLEX HYBRID waterproofing membrane with approximate consumption of 1 kg/m².

In the case of **localised repairs:** apply the product also as a single coat with consumption of approximately 1.5 kg/m² and possible reinforcement with STARTEX NW DETAILS fabric.

Waterproofing under tiles: application of the first coat of STARFLEX HYBRID waterproofing membrane at a **rate of 1.2 kg/m²**. Apply a layer of STARTEX NW or STARTEX NW DETAILS polyester fabric on the fresh layer, making sure it adheres perfectly to the underlying waterproofing layer, and then apply the second coat on the fresh layer of STARFLEX HYBRID waterproofing membrane at a **rate of 1 kg/m²**. Before the resin hardens, complete the work by sprinkling quartz with a grain size of at least 0.1-0.5 mm to create a correct 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 HYBRID product.

OVERCOATING

The **STARFLEX HYBRID** product **can be overcoated with any type of single or two-component polyurethane and polyurea liquid membrane**.

After a minimum of 24 hours and a maximum of 48 hours, a non-yellowing coloured protection such as **STARFLEX MONO TOP** can be applied on the waterproofing layer at a rate of 150-400 g/m².

Alternatively, **apply a UV-resistant two-component elastic finish based on aliphatic polyurethane resins** such as **POLISTAR E/P**, with an approximate consumption of 150 g/m².



SAFETY AND CLEANING

When applying this product, **the use of goggles, rubber gloves and all PPE required by current standards** and listed in SDS **is recommended**.

After use, tools must be **thoroughly cleaned with DILUENTE 15**.

For further information on precautions of use, please refer to the SDS.

TECHNICAL DATA

Colour		Grey
Specific weight	UNI EN ISO 2811-1	1.25 g/cm ³
Vicosity (Brookfield)	UNI EN ISO 2555	approx. 15,000 mPas
Elongation at +23°C		approx. 250-300%
Solid residue		80%
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.

The data and prescriptions given in this sheet, based on the best practical and laboratory experience, are in any case to be considered indicative. Consider the different conditions of use, and the influence of factors independent of MPM (substrate, environmental conditions, technical laying direction, etc.), the person who intends to use the product must determine whether the product use is obliged to determine whether or not the product is suitable for use. Our guarantee obligation is limited to the quality and consistency of the finished product for the above-mentioned data above, only for data sheets that have been stamped and countersigned by the delegated personnel at our head office. The customer must also verify that these values are valid for the product batch of his interest and are not exceeded and/or replaced by subsequent editions and/or new formulations. The data contained may change at any time without prior notice from MPM.