

STARFLEX W

ONE COMPONENT ACRYLIC WATER BASED COATING WITH HIGH RESISTANCE TO OIL AND FUELS FOR EXTERNAL APPLICATIONS



CHARACTERISTICS

- Good resistance to traffic with rubber-tired vehicles.
- High resistance to **water ponding**.
- Anti-slip surface.
- Excellent resistance to gasoline, kerosene, diesel fuel, and lubricating oils (excluding brake fluid).
- Good adhesion to asphalt concrete and concrete substrates, even when damp.
- Contributes to achieving LEED certification credits.
- Complies with the requirements of EN 13813 for synthetic resin-based screeds.

APPLICATION TEMPERATURE

Applicable **from +15°C to +40°C** of the substrate with U.R. < 60%.

OPERATING TEMPERATURE

Operating temperature **from -15°C to +80°C**.

APPLICATION FIELDS

Colored protection of asphalt concrete and concrete for:

- car parks
- Airport taxiways
- Vehicle maneuvering areas
- Bicycle paths
- Sports courts (tennis, basketball, skateparks, etc.)

STARFLEX W

SUBSTRATE PREPARATION

- Surfaces to be treated must be sound, compact, and free from dust and contamination by foreign substances (dirt, oil, grease, release agents, etc.).
- The cementitious substrate, after appropriate mechanical preparation, must have a surface tensile (pull-off) strength greater than 1.5 MPa, measured using suitable equipment.
- In the case of ceramic substrates or old resinous coatings, after appropriate mechanical preparation, the correct adhesion to the substrate and the absence of contaminants must be verified.
- Damaged joints, holes, and other irregularities must be properly leveled and repaired using epoxy putty such as **STARCEMENT 385**, or epoxy mortar such as **DUROGLASS P1/2**, suitably filled with quartz or thickened with **ADDENSANTE NT2**.
- The asphalt concrete must be free from softening due to heating from sunlight. Any repairs to the asphalt pavement must be carried out taking this requirement into account.

It is essential to roughen the surface before application. The choice of mechanical preparation method (sandblasting, sanding, grinding, shot blasting, or milling) should be made based on the condition of the substrate and the type of coating to be applied.

On very dense cementitious substrates, after roughening, it is recommended to apply the water-based epoxy primer STARCEMENT 5/A in advance.

PRODUCT PREPARATION

Ready-to-use product after thorough homogenization with a low-speed mixer.

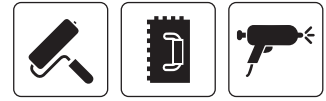
DILUTION AND COLORING

Single-component thixotropic product to be used diluted exclusively with water. **STARFLEX W** is

available in a neutral version, to be colored with:

- 2 Kg of colour paste **HYDRAGLASS**.

STARFLEX W



PRODUCT APPLICATION

STARFLEX W can be applied in two or three coats by:

- Roller
- Trowel
- Airless spray

Normally, three coats of the product should be applied according to the following scheme:

STARFLEX W:

1st coat: 300–600 g/m², diluted with 10% water.

2nd coat: 400–600 g/m², diluted with 5% water.

3rd coat: 400–600 g/m², diluted with 5% water.

WARNINGS AND PRECAUTIONS

- Being a fuel-resistant, water-based system, the product does not have pronounced elastic properties and may therefore reflect any cracks present in the substrate.
- In the case of indoor use where the application area needs to be heated, do not use heaters burning gas, diesel, or other similar fuels, as the water vapor and carbon dioxide released could affect the surface finish of the coating. Use only electric heaters.

SAFETY AND CLEANING

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

After use, tools must be thoroughly cleaned with warm water.

For more information regarding usage precautions, please refer to the safety data sheet (SDS).



Green Building Council Italia



STARFLEX W

TECHNICAL DATA		
Color		RAL o CONVERTER
Specific weight	UNI EN ISO 2811-1	STARFLEX W CONVERTER 1,2 ± 0,04 g/ml
Viscosity at 20°C	EN ISO 2555	STARFLEX W CONVERTER 22000 ± 4000 mPa·s
Solid content		STARFLEX W CONVERTER 43% ± 2 in volume
Theoretical consumption (three layers)		STARFLEX W CONVERTER 1,5 Kg/m ²
Thickness		STARFLEX W CONVERTER 480 micron medi
Wear resistance (BCA)	EN 13892-4	600 µm
Adhesion strength	EN 13892-8	> 2,0 MPa
Slip resistance A dry A wet	EN 13036-4	80 58
Shore D hardness	EN ISO 868	> 80
Chemical resistance	EN 13529	Hydrocarbon mixture Classe II
Curing time 22°C, 50% U.R.		- tack free: 60 minutes - walkable 16h - rain safe: 6h minimum - overapplication: 6h - completely cured: 10 days
Abrasion resistance	UNI 8298 p.9 ^a	Mola CS 17, 1000 g, 1000 cycles < 230 mg
Storage		The product, in its original sealed packaging, stored in a dry place and protected at temperatures between +5°C and +35°C, has a shelf life of 12 months. Protect from freezing.

The data and specifications provided in this datasheet, based on the best practical and laboratory experience, are to be considered as indicative only. Given the various conditions of use and the influence of factors beyond MPM's control (substrate, environmental conditions, application methods, etc.), anyone intending to use the product is responsible for determining its suitability for the intended application. Our warranty obligation is limited to the quality and consistency of the finished product according to the data reported above, and only for datasheets bearing the stamp and countersignature of authorized personnel of our company. Furthermore, the customer is responsible for verifying that such values are valid for the specific product batch of interest and have not been superseded or replaced by later editions and/or new formulations. The information contained herein may be subject to change at any time without prior notice by MPM.