

STARFLEX ECO ROAD

SINGLE-COMPONENT COATING FOR EXTERIORS RESISTANT TO FUEL AND MINERAL OILS BASED ON ACRYLIC COPOLYMERS IN AQUEOUS DISPERSION



CHARACTERISTICS

Good resistance to **foot traffic**.

Good resistance to **standing water**.

Slightly **non-slip** surface.

Roughness can be increased by adding quartz.

Excellent resistance to **petrol, kerosene, diesel, lubricating oils** (excluding brake oil).

Good adhesion to **bituminous conglomerate and concrete**, even when damp

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

Meets the requirements of standard **13813** for synthetic resin-based screeds.

APPLICATION TEMPERATURE

Can be applied **from +15°C to +40°C** on substrates with U.R. < 60%.

OPERATING TEMPERATURE

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

FIELD OF USE

Coloured protection of bituminous conglomerate and concrete for:

- car parks
- manoeuvring areas
- cycle paths
- sports fields (tennis, basketball, skateparks, etc.)

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PREPARATION OF THE SUBSTRATE

- The surfaces to be treated must be **sound, compact, free of dust and contamination** from foreign substances (dirt, oil, grease, release agents, etc.).
- After adequate mechanical preparation, the **cement substrate** must have a surface tear resistance greater than 1.5 MPA, measured using suitable equipment.
- In the case of **ceramic substrates or old resin coatings**, after adequate mechanical preparation, their correct adhesion to the substrate and the absence of traces of contaminants must be verified.
- Damaged joints, holes and other irregularities must be properly levelled and repaired with epoxy filler such as **STARCEMENT 385**, or epoxy mortar such as **DUROGLASS P1/2** suitably loaded with quartz or **ADDENSANTE NT2**.
- The **bituminous conglomerate** must be free from softening due to heating caused by sunlight. Any repairs to the conglomerate surface 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, smoothing, shot blasting or milling) must be based on the condition of the substrate and the type of coating to be used.

On very dense cementitious substrates, after roughening, we recommend the preventive application of **STARCEMENT 5/A** water-based epoxy primer.

PRODUCT PREPARATION

The product is **ready to use** after thorough homogenisation with a low-speed mixer.

DILUTION AND COLOURING

Single-component product with a thixotropic consistency to be diluted exclusively with water.

The **STARFLEX ECO ROAD** product is available in coloured versions.

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PRODUCT APPLICATION

STARFLEX ECO ROAD can be applied in at least two coats using:

- Roller
- Trowel
- Airless spray

Depending on the desired thickness, **STARFLEX ECO ROAD** can be applied with an indicative consumption of **0.2 to 0.25 kg/m²** per coat.

STARFLEX ECO ROAD :

1st application: 200-250 g/m² diluted with 10% water.

2nd application: 200-250 g/m² diluted with 5% water.

3rd application: 200-250 g/m² diluted with 5% water.

WARNINGS AND PRECAUTIONS

- As this is a water-based fuel-resistant system, the product does not have particularly elastic properties and may therefore reproduce any cracks in the substrate.
- When used indoors where the application area needs to be heated, do not use heaters that burn gas, diesel or other similar fuels, as the water vapour and carbon dioxide released could affect the surface finish of the coating. Use electric heaters only.

SAFETY AND CLEANING

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

After use, tools must be thoroughly cleaned with **lukewarm water**.

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



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TECHNICAL DATA		
Colour		RAL colours
Specific weight	UNI EN ISO 2811-1	1.2 ± 0.04 g/ml
Viscosity at 20°C	EN ISO 2555	2000 ± 4000 mPa·s
Dry residue		55.3% ± 2 by volume
Theoretical consumption (average in three applications)		0,6 kg/m ²
Thickness		250 microns on average
Wear resistance BCA	EN 13892-4	600 µm
Adhesion strength	EN 13892-8	> 2,0 MPa
Slip resistance	EN 13036-4	Dry 80 Wet 58
Shore hardness D	EN ISO 868	> 80
Chemical resistance	EN 13529	Hydrocarbon mixture Class II
Curing at 22°C, 50% UR		- touch dry: 60 minutes - walkable with caution: 16 hours - insensitive to rain: 6 hours minimum - over-application: 6 hours - completely hardened: 7 days
Abrasion resistance	UNI 8298 p.9a	CS 17 grinding wheel, 1000 g 1000 cycles < 230 mg
Storage		The product in its original sealed packaging, stored in a dry place at temperatures between +5°C and +35°C, can be kept for 12 months. Do not expose to frost.

The data and specifications contained in this data sheet, based on the best practical and laboratory experience, are to be considered indicative in all cases. Considering the different conditions of use and the intervention of factors independent of MPM (support, environmental conditions, technical installation, etc.), those who intend to use the product are required to determine whether it is suitable for the application. Our warranty is limited to the quality and consistency of the finished product for the data shown above, only for technical data sheets stamped and countersigned by authorised personnel at our headquarters. The customer is also required to verify that these values are valid for the batch of product of interest and have not been exceeded and/or replaced by subsequent editions and/or new formulations. The data contained herein may vary at any time without prior notice from MPM.