

STARFLEX DECO BINDER

ONE COMPONENT AROMATIC POLYURETHANE BINDER



FEATURES

Excellent binding power.

Highly **wetting**.

High penetration capacity.

Good resistance to hydrolysis and to diluted acids and bases.

Fast curing at low temperatures.

Walkable.

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

Meets the requirements of **13813** standard for coatings.

APPLICATION TEMPERATURE

Applicable from **+8°C to +30°C**.

OPERATING TEMPERATURE

Operating temperature **from -30°C to +90°C**.

APPLICATION FIELDS

Polyurethane binder for the realization of:

- base layers of shock-absorbing rubber flooring for playgrounds, sports fields, walkways, etc.

STARFLEX DECO BINDER

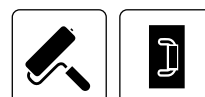
PREPARATION OF THE SUBSTRATE

- The surfaces to be treated must be **sound, compact, free of dust and pollution** from foreign substances (dirt, oil, grease, release agents, etc.).
- After adequate mechanical preparation, the **cementitious substrate** must have a surface tear strength greater than 1.5 MPA, measured using suitable instrumentation. In the case of **ceramic substrates or old resinous coatings**, after adequate mechanical preparation, the correct adhesion of the same to the substrate and the absence of traces of pollutants must be verified.
- Damaged **joints, holes** and other **irregularities** must be properly levelled and repaired with epoxy putty such as **STARCEMENT 385**, or epoxy mortar such as **DUROGLASS P1/2** suitably filled with quartz or **ADDENSANTE NT2**.

It is essential to **roughen the surface before laying**. The choice of mechanical preparation method (sandblasting, sanding, smoothing, shot peening or milling) depends on the conditions of the support and the type of coating to be used.

PRODUCT PREPARATION

Ready-to-use **one-component** product to be mixed with natural aggregates (marble, ceramic-coated quartz, etc.) or granulated rubber.



PRODUCT APPLICATION

The indicative consumption of **STARFLEX DECO BINDER** varies according to the granulometry of the aggregates used and the type of coating to be created.

Impact-resistant flooring, cast on site with rubber in two layers

1. Application of adhesion promoter consisting of **STARFLEX DECO BINDER** with a consumption of 300-400 g/m² to be repeated for the two layers.
2. On the fresh concrete, apply the first layer of shock-absorbing black rubber base 4÷8 mm thick, to be mixed with a site cement mixer with 10-12% **STARFLEX DECO BINDER** single-component polyurethane binder. The thickness of the rubber base varies from 2.0 to 12.0 cm depending on the height of the fall and according to the indications given by the Site management
3. After at least 8 hours, depending on the climatic conditions that slow down or accelerate the catalysis process, apply the second layer of adhesion promoter consisting of **STARFLEX DECO BINDER** with a consumption of 200-300 g/m².
4. On the fresh layer, apply the wear layer of the shock-absorbing flooring by mixing coloured rubber 1÷4 mm (EPDM or SBR) to be mixed using a construction site cement mixer with **STARFLEX DECO BINDER** single-component polyurethane binder in a percentage of 20-22% to obtain a final thickness of at least 1.0 cm, smoothed and compacted with a trowel.
5. For the finishing layer, we recommend using the aliphatic version **STARFLEX STONE BINDER** or **STARFLEX T BINDER**, to ensure greater colour stability and UV resistance.

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WARNINGS AND PRECAUTIONS

- Make sure the aggregates are perfectly dry to avoid the formation of foam and/or bubbles.
- Free and stagnant water coming from the substrate or from previous washing processes or from meteorological events must be removed or dried with appropriate means.
- As it is an aromatic product, it turns yellow on contact with the sun.
- When creating draining screeds, it is necessary to provide for slopes in the underlying screed or correct water regulation to avoid stagnation in the porosity that can give rise to sludge and ice in winter.

SAFETY AND CLEANING

When applying these products, we recommend wearing protective glasses, masks and rubber gloves, as well as all the PPE required by current regulations.

After use, tools must be cleaned thoroughly with **DILUENTE 6**.

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



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TECHNICAL DATA

Colour		Neutral
Specific weight	UNI EN ISO 2811-1	1,12 ± 0,05 Kg/l
Viscosity at 20°C	EN ISO 2555	400 ± 100 mPa·s
Non-volatile substances	EN ISO 3251	99% by weight
Hardening at 22°C, 50% U.R.		- can be walked on with care: 8 hours - completely hardened: 10 days
Storage		The product in the original sealed packaging, stored in a dry and protected place at temperatures between +5°C and +35°C, can be kept for 12 months.

The data and prescriptions contained in this sheet, based on the best practical and laboratory experience, are to be considered indicative. Considering the different conditions of use, and the intervention of factors independent of MPM (support, environmental conditions, technical direction of installation, etc.), those who intend to use it are required to establish whether or not the product is suitable for use. Our warranty obligation is limited to the quality and consistency of the finished product for the above data, only for technical data sheets stamped and countersigned by the authorised personnel of our headquarters. Furthermore, the customer is 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.