

STARFLEX T BINDER

**SINGLE-COMPONENT AROMATIC POLYURETHANE BINDER
FOR INORGANIC AGGREGATES AND RUBBER GRANULES**



CHARACTERISTICS

Simplicity of application.

Excellent **mechanical characteristics**.

Excellent **elasticity** for asphalt surfaces.

High resistance to **hydrolysis, abrasion and ageing**.

Good **resistance** to aggressive chemicals.

Walkable.

Permeability to water vapour.

Classified in the **BFL-S1** fire resistance category.

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

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

APPLICATION TEMPERATURE

Applicable from **+8°C to +30°C**.

OPERATING TEMPERATURE

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

APPLICATION FIELDS

Aliphatic polyurethane binder for the formation of:

- external stone screeds such as stone carpet, drainage, poolside gravel, etc.
- accident-protective rubber floors for playgrounds, sports fields, walkways, etc.

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SUBSTRATE PREPARATION

- The treated surfaces must be clean, solid, and free of foreign particles like oil and dust.
- The surface resistance to tearing of the cement substrate, after adequate mechanical preparation, must be greater than 1.5 MPA, measured using suitable instruments.
- In the case of ceramic substrates or old resinous coatings, their correct adhesion to the substrate and absence of pollutants must be checked after adequate mechanical preparation.
- Damaged **joints**, **holes** and other **irregularities** must be adequately levelled and repaired with **STARCEMENT 385** type epoxy grout, or **DUROGLASS P1/2** type epoxy mortar suitably loaded with quartz or **ADDENSANTE NT2**.

Roughen the surface before laying. The choice of the mechanical preparation method (sandblasting, sanding, smoothing, shot peening or milling) is to be chosen on the basis of the conditions of the substrate and the type of coating to be used.

PRODUCT PREPARATION

Ready-to-use single-component product to be mixed with natural aggregates (marble, ceramized quartz, etc.) or rubber granules.

The indicative ratio ranges from 1:15 to 1:20 based on the topology and size of the filler used and the final thickness to be achieved.

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PRODUCT APPLICATION

STARFLEX T BINDER, based on the desired thickness, can be spread as a screed with a smooth trowel. Follow up with mechanical or manual compaction.

The indicative consumption of **STARFLEX T BINDER** varies according to the particle size of the aggregates used, for example:

- **0.8-1 Kg/m²/cm** thick, with quartz/gravel **3-8 mm**, in a ratio of **1:15**.
- **0.6/0.7 kg/m²/cm** thick, with quartz/gravel **5-15 mm** in a ratio of **1:20**.

As it is an aliphatic material, it does not show yellowing over time and can also be used with aggregates such as "carrara white".

After drying, the product does not substantially change the chromatic aspect of the aggregates used.

WARNINGS AND PRECAUTIONS

- Make sure that the aggregates are perfectly dry to avoid the formation of foam and/or bubbles.
- Flowing and stagnant water coming from the substrate or from previous washing processes or from meteorological events must be removed or dried with suitable means.

SAFETY AND CLEANLINESS

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

Clean the tools thoroughly after use with **DILUENTE 6**.

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



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TECHNICAL DATA

Colour		Transparent
Specific weight	UNI EN ISO 2811-1	1.11 ± 0.05 Kg/l
Viscosity at 25°C	EN ISO 2555	4000 mPa·s
Non-volatile substances	EN ISO 3251	99% in weight
Pot life at 25°C	EN ISO 9514	60 minutes
Curing at 22°C, 50% R.H.		- walkable with caution: 8 hours - fully cured: 7 days
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 instructions given in this sheet, based on the best practical and laboratory experiences, are to be considered in any case indicative. Considering the different conditions of use, and the intervention of factors independent of MPM (support, environmental conditions, technical laying direction, etc.) whoever intends to use it is required to establish whether or not the product is suitable for use. Our warranty obligation is limited to the quality and constancy of the finished product for the above data, only for technical sheets accompanied by stamp and countersignature by our delegated personnel. site. Furthermore, the customer is required to verify that these values are valid for their relevant batch of product and are not superseded and/replaced by subsequent editions and/or new formulations. The data contained may vary at any time without prior notice by MPM.