

ELASTOSTAR P

2 COMPONENT ELASTIC POLYURETHANE SELF LEVELING COMPOUND



CHARACTERISTICS

Solvent free .
Excellent mechanical resistance.
Excellent scratch and impact resistance.
Good resistance to diluted acid and alkaline solutions .
Suitable for food and pharmaceutical environments.
Excellent resistance to wheeled vehicle traffic .
Excellent resistance to thermal variations .
Contributes to obtaining credits for LEED certification.

APPLICATION TEMPERATURE

Operating temperature from **-40°C to +80°C**.

OPERATING TEMPERATURE

Applicable **from -10°C to +30°C** maximum on the substrate with R.H. <70% and substrate humidity of < 4%.

APPLICATION FIELDS

Self-levelling coating for concrete floors for:

- Pharmaceutical industry
- Food industry.
- Stores
- Offices
- Cold rooms
- Parking lots
- Secondary containment tanks

Coating for surfaces in bituminous road conglomerate.

ELASTOSTAR P

SUBSTRATE PREPARATION

- The surfaces to be treated must be **sound, compact, free from dust and pollution** from foreign substances (dirt, oil, grease, release agents, etc.).
- The **cement substrate**, after adequate mechanical preparation, must have a surface resistance to tearing greater than 1.5 MPA, measured using suitable instruments.
- In the case of **ceramic substrates** or **old resinous coatings**, after adequate mechanical preparation, their correct adhesion to the substrate and the absence of traces of pollutants must be checked.
- 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**.

On green concrete substrates: first use **DUROGLASS FU BIANCO TIX** or **DUROGLASS FU RAPID**, referring to the respective technical data sheets for application methods.

On dry concrete substrate: first use epoxy primer such as **DUROGLASS P5 PRIMER FR**, referring to the respective technical data sheets for application methods.

On bituminous conglomerate road substrates: the product has good direct adhesion also on this substrate.

PRODUCT PREPARATION

Two-component product to be mixed in the following way:

- Pour component B into component A, then mix with a low-speed drill.
- Then pour the mixed contents into another can paying particular attention to the transfer of all the product from the first can to the second, including that present on the walls and bottom of the first container, then mix again briefly. In this way there is perfect mixing without even the smallest quantities of unmixed product, which could compromise the aesthetics of the flooring.

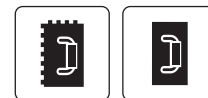
DILUTION AND COLOUR

The product is available in the neutral converter version, which can be coloured with:

- 1 Kg of **SOLIDGLASS** PU colour paste.

The product cannot be diluted.

ELASTOSTAR P



PRODUCT APPLICATION

ELASTOSTAR P can be applied to:

- Notched trowel
- Smooth trowel for applications on bituminous conglomerate

The indicative consumption of **ELASTOSTAR P** is 2.8 kg/m².

It can also be used as a levelling skim coat and adhesion bridge, followed by a dusting of 0.3÷0.9 mm or 0.7÷1.2 mm quartz, for the creation of drive-over waterproofing in polyurea.

OVER APPLICATION

The product can be finished with non-yellowing transparent finishes such as **POLISTAR P8670 TRANSPARENT GLOSSY** or **POLISTAR P8670 TRANSPARENT MATT**, alternatively with a coloured finish such as **POLISTAR P 867**, **POLISTAR P 867X** or with **POLISTAR E/P**.

WARNINGS AND PRECAUTIONS

- Light colours could noticeably change in colour.
- **ELASTOSTAR P** must be applied at substrate temperatures **definitely higher than +10 C°**. Failure to comply with this condition will cause drops of water or aqueous solutions that can cause stains or halos.

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.

Work tools must be cleaned with the thinner **DILUENTE 6** after use.

For more information regarding the 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	1,60 ± 0.05 Kg/l
Mix ratios		100 parts by weight basis 15 parts by weight of hardener
Viscosity at 20°C	EN ISO 2555	5000 ± 1000 mPa.s
Pot life 22°C	UNI EN ISO 9514	25 minutes
Non-volatile substances	UNI EN ISO 3251	> 98% in volume
Theoretical consumption		2.8 Kg/m ²
Thickness		2 mm
Curing at 22°C, 50% R.H.		- track free: 3 hours - walkable with caution: 48 hours - light traffic: 6 days - fully cured: 10 days
Adhesion strength	EN 13892-8	> 1,5 MPa
Compression strength	EN 13892-2	> 15 MPa
Bending resistance	EN13892-2	> 3,5 MPa
BCA wear resistance	EN 13892-4	20 µm
Breaking strength	EN 12311-2	> 6 MPa
Elongation	EN 12311-2	> 90 %
Shore A/D hardness	EN ISO 868	> 80/25
Storage		The product in its original sealed packaging kept in a dry and protected place, at temperatures between +5°C and +35°C it is conserved for 12 months. Keep away from frost.

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.