

DUROGLASS P1/2

MULTI PURPOSE EPOXY RESIN BINDER



CHARACTERISTICS

Excellent **mechanical** characteristics.

Low viscosity.

Quick curing.

Excellent penetration and ability to wet the substrate.

Multipurpose.

Excellent hardening even at low temperatures.

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

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

APPLICATION TEMPERATURE

Applicable **from +5°C to +35°C** on the substrate.

OPERATING TEMPERATURE

Operating temperature **from -25°C to +60°C** (unfilled resin).

APPLICATION FIELDS

- **Epoxy binder** suitable as primers, preparation of charged mortars, screeds, self-levelling products, troweled resinous coatings, multi-layers, finishes.
- Product that can be used as a primer for **STARFLEX waterproofing systems** on dry concrete

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SUBSTRATE PREPARATION

- The substrates 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.

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

On green concrete: use a DPM primer **DUROGLASS FU BIANCO TIX** or **DUROGLASS FU RAPID**.

PRODUCT PREPARATION

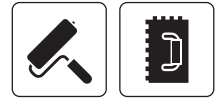
Two-component product to be mixed thoroughly before use with a low-speed helical mechanical stirrer, operating as follows:

- Add component B with component A and mix until completely homogenized.

DILUTION AND COLOUR

The product can be coloured by adding 5% of coloured paste **SOLIDGLASS**.

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PRODUCT APPLICATION

DUROGLASS P1/2 can be applied by:

- Roller
- Trowel

The consumption of **DUROGLASS P1/2** varies according to the type of coating desired.

EPOXY SCREED

The epoxy mortar that allows you to obtain a flat coating even on particularly deteriorated and damaged floors, avoiding costly demolitions and long downtimes. On a suitably prepared substrate, apply **DUROGLASS P1/2** bonding coat by roller with an indicative consumption of 0.5 kg/m².

- Spreading epoxy mortar made from a mixture in a special planetary mixer of **DUROGLASS P1/2** in a ratio of 1:8 or 1:10 with quartz aggregates in a granulometric curve of 0.1-1.5 on the gripping coat still in the tacky phase mm. The mixture, which will have the consistency of "**damp sand**", must be levelled with an aluminium straightedge, using reference templates with a thickness of 0.8-1 cm.
- Approximately one hour after application, compac it with a mechanical trowel (concrete helicopter).
- Sanding and cleaning the surface.
- Trowel application of **DUROGLASS P1/2** charged with 30% quartz 0.1-0.3 to saturate the screed.
- Trowel application of **DUROGLASS P1/2** coloured with 5% **SOLIDGLASS** colour paste charged with 20% fine quartz to create a resistant finish for pedestrian and wheeled vehicle traffic or alternatively **DUROGLASS P5/5**.

MULTILAYER

On a prepared substrate, apply **DUROGLASS P1/2** with a trowel with an indicative consumption of 0.3 to 0.8 Kg/m² (consumption varies according to the preparation of the substrate).

Application of a second coat, done with a trowel, of **DUROGLASS P1/2**, with indicative consumption from 0.3 to 0.8 Kg/m², suitably charged and broadcasted with quartz.

Application by trowel of a third coat of **DUROGLASS P1/2** coloured with 5% with **SOLIDGLASS** color paste, with indicative consumption from 0.3 to 0.6 Kg/m², charged with fine quartz.

OVER APPLICATION

The cured **DUROGLASS P1/2** layer can be covered directly with any type of epoxy or polyurethane coating with or without solvent.

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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 water or **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 straw yellow
Specific weight	UNI EN ISO 2811-1	1,09 ± 0.05 Kg/l
Mix ratios		100 parts by resin weight 50 parts by weight of hardener
Viscosity at 20°C	EN ISO 2555	900 ± 200 mPa·s
Non-volatile substances	EN ISO 3251	approx. 100 %
Pot-life 22°C	UNI EN ISO 9514	70 ± 10 minutes
Curing at 22°C, 50% R.H.		- dry to the touch: 5-6 hours - over application 12 hours - walkable with caution: 48 hours - fully cured: 7 days
Compression strength	UNI EN ISO 604	> 85 MPa
Bending resistance	UNI EN 13892-2	> 70 MPa
Shore D hardness	EN ISO 868	80
Adhesion to concrete	ASTM D 4541	> 3,5 MPa or concrete break
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.