

DUROGLASS FU RASANTE

TWO-COMPONENT EPOXY FINE MORTAR FOR SURFACE SKIM COATING



CHARACTERISTICS

- Excellent adhesion to **fresh or hardened concrete**, dry or damp.
- Fine epoxy resin mortar in aqueous dispersion, for **levelling and finishing concrete**, mortar and stone surfaces.
- Excellent adhesion **to all building materials** used in construction, such as concrete, cement blocks, etc.
- Good adhesion to **damp surfaces**.
- Can be applied without problems both **indoors** and **outdoors**.
- Quick to apply with **low costs**.
- Can be **painted** over with any epoxy, polyurethane and PMMA resin cycle.
- Meets the requirements of **standard 1504-2** for coatings: Product for protection against penetration risks 1.3, moisture control 2.2, increased resistivity.

APPLICATION TEMPERATURE

Can be applied **from +10°C to +35°C** maximum on the substrate with 80% relative humidity in the air.

OPERATING TEMPERATURE

Operating temperature from **-35°C to +90°C**.

FIELD OF USE

- Deteriorated concrete structures, floors and walls, even if without a vapour barrier.
- As a moisture barrier (minimum thickness 2 mm) for the installation of epoxy, polyurethane or PMMA resin coatings that require a dry substrate.
- Pore filling for the regularisation of micro-cracks in concrete.
- Levelling of balcony floors as a waterproof and anti-freeze layer before laying tiles.

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PREPARATION OF THE LAYING SURFACE

- The surfaces to be treated must be **sound, compact, free from dust and contamination** by foreign substances (dirt, oil, grease, release agents, etc.).
- After adequate mechanical preparation, the **cementitious substrate** must have a surface tensile strength 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 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**.
- In the case of vertical surfaces (tanks, swimming pools, reservoirs, etc.), preparation can be carried out by dry or wet sanding, or high-pressure washing (300 bar).

It is essential to **roughen** the surface before application. The choice of mechanical preparation method (sandblasting, sanding and shot blasting or milling) should be based on the condition of the substrate and the type of coating to be used.

PRODUCT PREPARATION

Two-component product to be mixed thoroughly at the time of use with a low-speed helical mixer.

DUROGLASS FU RASANTE can be used diluted with water (maximum 3%) or loaded with quartz in a ratio of 1:0.5.

Mix all of component B with component A for a few minutes until a homogeneous, lump-free mass is obtained, with a uniform colour and no air bubbles.

PRODUCT APPLICATION

The first coat of **DUROGLASS FU RASANTE** must be applied with a trowel, taking care to distribute the desired quantity accurately, possibly loaded with approximately 10% quartz 0.1-0.5.

OVER APPLICATION

The second finishing coat must be applied as supplied.

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WARNINGS AND PRECAUTIONS

- When applying this product, it is advisable to wear goggles, rubber gloves and all PPE required by current regulations for the use of chemicals.

SAFETY AND CLEANING

Work tools must be cleaned with solvent after use. Once hardened, the product can only be removed mechanically.



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TECHNICAL DATA		
Colour		Grey type RAL 7040 or on request
Specific weight	UNI EN ISO 2811-1	1,60 ± 0,05 Kg/l
Mixing ratios		100 parts by weight of base 100 parts by weight of hardener
Viscosity at 20°C	EN ISO 2555	25000 ± 5000 mPa·s
Pot life at 22°C	UNI EN ISO 9514	> 60 minutes
Non-volatile substances	EN ISO 3251	88 %
Theoretical consumption for two coats		1000 g/m ²
Curing at 22°C, 50% R.H.		Overcoating 10 hours Fully cured 7 days
Permeability to carbon dioxide	EN 1062-6	Sd > 50 m
Permeability to water vapour	UNI ISO 7783-2	Sd < 5 m
Capillary absorption and water permeability	EN 1062-3	w < 0,1 kg/m ² x h ^{0.5}
Storage		The product in its original sealed packaging, stored in a dry and protected place at temperatures between +5°C and +35°C, can be kept for 12 months. Protect from 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. Given the different conditions of use and the intervention of factors beyond MPM's control (substrate, environmental conditions, technical installation instructions, etc.), anyone intending to use the product is required to determine whether or not it is suitable for the intended use. Our warranty obligation is limited to the quality and consistency of the finished product for the data reported above, only for technical data sheets stamped and countersigned by authorised personnel at 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 superseded and/or replaced by subsequent editions and/or new formulations. The data contained herein may vary at any time without prior notice from MPM.