

DUROGLASS P

2 COMPONENT WATER BASED COLORED EPOXY PAINT



CHARACTERISTICS

Ideal for **floors and walls**.

Ecological product that does not emit irritating odours or vapours during application.

Quick curing

Glossy, hard, **scratch resistant** surface.

Excellent resistance to **water**, **detergents**, **disinfectants**, **diluted acid** and **alkaline solutions**, **fuels** and **lubricants**.

Suitable for food environments.

Suitable for the **anti-corrosion** coating.

Suitable for containing water.

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

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

APPLICATION TEMPERATURE

Applicable **from +10°C to +40°C** on the substrate with relative air humidity <70%.

OPERATING TEMPERATURE

Operating temperature from **-20°C to +90°C** in air (+40°C in water).

APPLICATION FIELDS

- Product suitable for **painting concrete floors** in: warehouses, car parks, hospitals, industrial plants, offices, laboratories and showrooms and in general on surfaces subject to heavy foot traffic and traffic with rubber wheels.
- Ideal product for the **food industry**.

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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.
- 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.

All preparations require adequate dedusting by means of aspiration. In the case of sanding and smoothing, washing with a washer-dryer is strongly recommended to eliminate residual dust and/or thin filler.

On damp substrates or for which there are doubts regarding the real hygrometric conditions: use a mixed system by first applying a primer from the **DUROGLASS FU** line.

In the case of very dry and absorbent surfaces, first apply a coat of **STARCEMENT 5/A** diluted 1:1 with water with a consumption of 0.1 - 0.15 kg/m² of product. The overapplication interval will be kept between approximately 60 minutes and 6 hours depending on the environmental conditions.

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

After mixing, dilute the product with water if necessary, while stirring:

- add **15 to 20%** by weight of water for the first coat directly on cement substrates.
- add **10 to 20%** by weight of water for finishing coats.

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

- 1.5 Kg of HYDRAGLASS colour paste.

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PRODUCT APPLICATION

DUROGLASS P can be applied by:

- Roller
- Brush
- Airless trowel

DUROGLASS P can be applied with an indicative consumption of **0.125-0.2 Kg/m²** per coat in two or more coats.

WARNINGS AND PRECAUTIONS

- **DUROGLASS P** has good colour stability but white and very light colours cause significant yellowing over time, especially if exposed to sunlight.
- To obtain non-slip surfaces, add 15% of quartz 0.1-0.3 mm, calculated on the weight of the catalysed product.

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**.

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	1,23 ± 0.05 Kg/l
Mix ratios		COLOURED 100 parts by weight basis 50 parts by weight of hardener CONVERTER 100 parts by weight basis 67 parts by weight of hardener
Viscosity at 20°C	EN ISO 2555	10.000 ± 2.000 mPa.s (Vel.10 – Gir.4)
Pot life 22°C	UNI EN ISO 9514	45 ± 7 minutes
Non-volatile substances	EN ISO 3251	52% in weight, 45% in volume
Theoretical consumption		150-200 g/m ² per coat
Theoretical thickness		60-80 microns per coat
Curing at 22°C, 50% R.H.		- dry to the touch: 3-4 hours - over application 6 hours min, 24 hours max - walkable with caution: 16 hours - fully cured: 10 days
Adhesion strength	UNI EN 13892-8	> 3,5 MPa
Slip resistance	UNI EN 13036-4	Dry: 60
Impact resistance	UNI EN ISO 6272	10Nm
Wear-resistance	UNI EN 13892-3	< 50µm
Abrasion resistance	UNI EN ISO 5470-1	grinder H22, 1000 g, 1000 rpm < 60 mg
Permeability to water vapour	UNI EN 12086	0,03 µg /(m ² ·h·Pa)
Resistance to severe chemical attacks	UNI EN 13529	Sodium hydroxide 20%: Class I and II Sodium Chloride 20%: Class I and II Surfactants: Class I and II
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. Keep away from frost.

CR11: Sodium hydroxide 20%

CR12: Sodium Chloride 20%

CR14: Surfactants

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.