

DUROGLASS P6/1

2 COMPONENT HIGH CHEMICAL RESISTANCE COLORED,
HIGH SOLID, SOLVENT BASED EPOXY



CHARACTERISTICS

Scratch resistant **glossy** coating.

Excellent resistance to solvents and aggressive chemicals: **organic** and **inorganic acids**, **alkalis**, **saline solutions**, **hydrocarbons**, **esters**, **ketones**.

Possibility of obtaining a surface with a **"soft" peel**.

Applicable both **horizontally** and vertically.

The version for making **electro-conductive surfaces DUROGLASS P6/1 CONDUTTIVO** is available on request.

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

APPLICATION TEMPERATURE

Applicable **from +10°C to +35°C** on the substrate.
with R.H. <60%

OPERATING TEMPERATURE

Operating temperature **from -35°C to +120°C** in air.

APPLICATION FIELDS

Coating of floors or structures subject to **chemical aggression** such as:

- Dairy industries.
- Wine, beer and liquor industries.
- Pharmaceutical and chemical industries.
- Mechanical and painting workshops.
- Industrial plants (tanks, etc..)

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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**.
- In the case of **vertical surfaces** (tubs, tanks, etc..) the preparation can be carried out by dry or wet sandblasting, or high pressure hydro-washing (300 bar).

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.

On damp surfaces 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.

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.

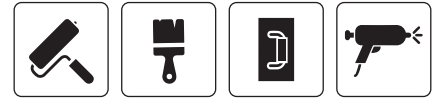
DILUTION AND COLOUR

In case of dry floors it is possible to use the first coat of **DUROGLASS P6/1** diluted with 3-5% of **DILUENTE 21** as a primer, then apply a second one.

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

- 1.85 Kg of **SOLIDGLASS** colour paste.

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PRODUCT APPLICATION

DUROGLASS P6/1 can be applied by:

- Roller
- Brush
- Smooth trowel
- Airless spray diluted with 5-8% max of thinner **DILUENTE 21**, using 0.025" nozzles and pressures of 180-200 bar.

The **DUROGLASS P6/1** product can be applied with an indicative consumption of 0.3-0.5 kg/m² per coat in two or more coats.

Textured flooring with soft peel

On the previously prepared substrate, apply **DUROGLASS P6/1** in a single coat without diluting it, with a consumption of 0.7-0.8 kg/m². Immediately afterwards, pass with a dry 5 mm open cell sponge roller.

The **DUROGLASS P6/1** product can also be used as a finish on multilayer systems or screeds made with **DUROGLASS P1/2** or **DUROGLASS P5/5** with the aim of improving the surface chemical resistance.

WARNINGS AND PRECAUTIONS

- Do not apply at temperatures below 10°C with U. R. > 60% as stains could form.
- At temperatures below 10°C the product may not fully develop its characteristics.
- The product, once applied, must not come into contact with water in the first 24 hours to avoid whitening.
- Contact with aggressive chemicals in concentrations higher than those foreseen can cause colour fade of the product.
- Being an epoxy product, yellowing phenomena may occur with exposure to sunlight.

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 21**.

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



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TECHNICAL DATA		
Colour		RAL palette
Specific weight	UNI EN ISO 2811-1	1,73 ± 0.05 Kg/l
Mix ratios		100 parts by weight basis 13 parts by weight of hardener
Viscosity at 20°C	EN ISO 2555	15000 ± 5000 mPa·s
Pot life 22°C	UNI EN ISO 9514	35 minutes
Non-volatile substances	UNI EN ISO 3251	85% in volume, 93,2 % in weight
Direct bond strength	EN 1542	> 3,5 MPa
Shore D hardness	EN ISO 868	> 60
Conductive version Electric resistance***	UNI EN 1081	0.1-1.0 days
Curing at 22°C, 50% R.H.		- dry to the touch: 6-7 hours - over application 15 hours min, 24 hours max - walkable with caution: 48 days - fully cured: 10 days
Chemical resistance* Contact for 48h, Environment temperature		10 % sulphuric acid: 20 % sulphuric acid: 50 % sulphuric acid: Sodium hydroxide 50 % Methyl Ethyl Ketone (MEK)** Ethyl acetate** Dipropylene Glycol 100% 100% Ethylene Glycol
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 product undergoes colour variations and dulling which do not affect the mechanical properties of the product.

** Contact until solvent evaporation.

*** The conductivity measured on substrates other than concrete can lead to readings that are significantly different from those declared.

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.