

Product

DUROGLASS P6/1

cod: 5019 RAL
9008 0000

COATING BASED ON NOVOLAC RESISTANT TO VARIOUS CHEMICAL AGGRESSIVE SUBSTANCES

- awaiting certification 13-813

Characteristics

- **Excellent resistance to solvents and aggressive chemicals: organic and inorganic acids, alkalis, saline solutions, hydrocarbons, esters, chetone.**
- **Presence of slight peeling at the top coat.**
- **Non-toxic and odorless composition after hardening, washable and decontaminable by waste.**
- **Glossy coating resistant to abrasion and with good color retention.**
- **Possibility to obtain a surface with a "soft" skin.**
- **Applicable from + 18°C to +35°C of substrate with U.R. < 60%.**
- **Operating temperature from -45°C a + 120°C in air.**

Application fields

- Coating for cement floors in different industries areas: food, cheese, wine, beer, pharma, chemical, when it is necessary an high chemical resistance and solvent resistance.
- Coating of concrete substrate subject to strong chemical aggression.

Application

1) PRODUCT PREPARATION

2 components product to mix carefully before using with mechanical mixer with a low speed, operating in the following way:
Add the component B to component A and mix until complete homogenization.

The dilution and addition of fillers must be carried out after complete mixing of the two components, homogenizing with the same stirrer.

2) SUBSTRATE PREPARATION

The substrate to be treated must be dry, healthy and free from pollution from foreign substances. The substrate must have a surface resistance to the tear not less than 1,5 MPa.

Roughening the surface before laying is essential. The choice of the method of preparation of the substrate (sandblasting, sanding or scarifying) is to be chosen on a case-by-case.

The free water coming from the substrate or from previous washing operations or from weather events must be removed with suitable tools.

Any repairs to the concrete must be carried out with DUROGLASS P1/2, taking care to saturate the repair with quartz.

In the case of damp or counter-pressure substrates, first apply DUROGLASS FU BIANCO TIX, indicative minimum consumption 500 g/m² per coat, minimum two coats.

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 coat.

3) PRODUCT APPLICATION

DUROGLASS P6/1 can be applied by brush, roller or airless spray. Two-component product to be accurately mixed at the time of use with a low-speed helical agitator. Do not overheat the product

PROTECTIVE COATING:

On the previously prepared substrate, apply the first coat of DUROGLASS P6/1; according to the thickness wanted to consume from 300 to 500 g/m². After 24 hours apply the second coat, with a consumption of 300 to 500 g/m². It is possible to dilute the product from 3 to 5% with DILUENTE 21.

Verify in advance the type of roller and use to obtain the desired degree of coating.

To obtain a smooth finish, apply to airless using the diluted product with max 5-8% of DILUENTE 21, using 0.025 "nozzles and pressures of 180-200 bar.

PEELED FLOORING WITH SOFT SKIN

On the previously prepared substrate, apply DUROGLASS P6/1 in a single coat without diluting it, with a consumption of 700-800 g/m². Immediately afterwards pass with a dry sponge roller with open cells of 5 mm size. After use, the tools must be washed with DILUENTE 21.

NOTE: do not apply at a temperature lower than 10 ° C with U. R.> 60% since stains could form.

At a temperature below 10 ° C, the product may not completely develop its characteristics.

The product, once applied, must not come into contact with water in the first 24 hours to avoid bleaching.

Contact with aggressive chemicals in concentrations higher than those anticipated may cause product discoloration.

Being an epoxy product, yellowing phenomena may occur with exposure to sunlight.

Technical data

Color	RAL color
Density UNI EN ISO 2811-1	1,73 ± 0,05 Kg/l
Mixing Ratio	100 parts in weight of resin 13 parts in weight of hardener
Viscosity at 20°C UNI EN ISO 2555	15.000 ± 5.000 mPa.s
Open time 22°C UNI EN ISO 9514	35 minutes
Solid content UNI EN ISO 3251	85% in volume, 93,2 % in weight
Theoretical consumption	300 - 500 - 800 g/m ²
Theoretical thickness	150 – 250- 400 micron
Adhesion to concrete (traction) EN 1542	> 3,5 MPa
Shore A Hardness EN ISO 868	> 60
Hardener 22°C, 50% U.R.	- Dry to touch 6-7 hours - overlay 15 h minimum 24 h maximum - walkable with caution 48 hours - completely hardener 10 days
Chemical resistance EN 13529	Acetic acid at 10 % Hydrochloric acid at 37% Sulfuric acid 70% sodium hydroxide at 30% Methyl ethyl ketone (MEK) ** Ethyl acetate** dipropylene glycol 100% ethylene glycol 100%
Storage	The product in its original packaging kept in a dry and protected place at temperatures between + 5 ° C and + 35 ° C is kept for 12 months.

* The product undergoes color variations and opacifications that do not affect the mechanical properties of the product.

**Contact until solvent evaporation.

SAFETY:

In the application of this product it is advisable to use glasses, rubber gloves and all the PPE required by the regulations in force for the use of chemical substances.
For all additional information, please consult the product safety sheet.