# DUROGLASS P5/4

## 2 COMPONENT EPOXY SELF LEVELING COMPOUND

EN 13813 | SOLVENT FREE | WEAR-RESISTANT | EXCELLENT COVERING POWER

## CHARACTERISTICS

| |
|---|
| Glossy surface, easy to clean. |
| **Limited** odour. |
| Good resistance to wear by **pedestrian traffic** or light traffic with rubber wheels. |
| Excellent **chemical resistance** to oils and fats, fuels and washing with detergents. |
| High **coverage** and **fullness**. |
| Possibility of obtaining **up to 150 microns** per layer. |
| Contributes to obtaining credits for **LEED** certification. |
| Meets the requirements of the **13813** standard for synthetic resin-based screeds. |

## APPLICATION TEMPERATURE

Applicable **from +15°C to +35°C** on the substrate with relative air humidity < 60%.

## OPERATING TEMPERATURE

Operating temperature from **-15°C to +70°C**.

## APPLICATION FIELDS

Anti-dust, anti-oil, anti-wear **protective film treatment** for concrete floors subject to heavy foot traffic and traffic with rubber wheels, suitable for:

- Food industry.
- Precision mechanical industries.
- Textile and paper industries.
- Electrical and electronic industries.
- Chemical and pharmaceutical industries.

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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**.

**On green concrete substrates**: first use **DUROGLASS FU BIANCO TIX** or **DUROGLASS FU RAPID**, referring to the respective technical data sheets for application methods.

**On dry concrete substrate**: first use epoxy primer such as **DUROGLASS P2 PRIMER** or **DUROGLASS P1/2**, referring to the respective technical data sheets for application methods.

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

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

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## PRODUCT APPLICATION

**DUROGLASS P5/4** can be applied in one or more coats by:
- Roller
- Airless spray (using 0.021” - 0.025” nozzles and pressures around 200 bar)

The consumption of **DUROGLASS P5/4** is 0.2 – 0.25 kg/m$^2$ per coat.

### WARNINGS AND PRECAUTIONS

- Finely dust the self-levelling layers with B60 corundum to obtain smooth, slightly non-slip surfaces.
- **DUROGLASS P5/4** must be applied at substrate temperatures **definitely higher than +10 C°**. Failure to comply with this condition will cause drops of water or aqueous solutions that can cause stains or halos.
- Different quantities or types of filler in the same application can produce colour differences.

## 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.

Work tools must be cleaned with the thinner **DILUENTE 21** after use.

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

# DUROGLASS P5/4

| TECHNICAL DATA | | |
|---|---|---|
| **Colour** | | Colour palette |
| **Specific weight** | UNI EN ISO 2811-1 | 1,52 ± 0.05 Kg/l |
| **Mix ratios** | | **Converter**<br>100 parts by weight basis<br>23.4 parts by weight of hardener<br>**Coloured**<br>100 parts by weight basis<br>19.6 parts by weight of hardener |
| **Viscosity at 20°C** | EN ISO 2555 | 1400 ± 300 mPa·s |
| **Pot life 22°C** | UNI EN ISO 9514 | 70 minutes |
| **Non-volatile substances** | EN ISO 3251 | 91% in volume |
| **Theoretical consumption** | | 250 g/m² per coat |
| **Theoretical thickness** | | 150 microns per coat |
| **Curing at 22°C, 50% R.H.** | | - dry to the touch: 5-6 hours<br>- fully cured: 24 hours<br>- over application 16 hours min, 48 hours max<br>- fully cured: 10 days |
| **Bond to direct tensile force on concrete** | UNI EN 9532 | > 3,5 MPa |
| **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. |

CR10 : 20% sulphuric acid:
CR11 : Sodium hydroxide 20%
CR14 : Surfactants