

POLFLOOR-DP 813

(former DUST-PROOF RESIN ONE-COMPONENT)

TRANSPARENT OR COLORED RESIN FOR THE CREATION OF ANTI-DUST FLOORINGS

GENERAL CHARACTERISTICS

POLFLOOR-DP 813 is anti-dust, transparent or colored, one-component resin.

- Creates colored, easy-to-clean flooring without joints.
- Ideal for old and new surfaces, for light and medium circulation such as industrial, troweled floorings, mosaics, cement surfaces, workshops, storehouses, even for metallic surfaces or walls.
- Eliminates dust from decay, from old & new floorings, reinforcing their durability.
- Offers high mechanical resistance and meets all **HEALTH STANDARDS**.
- Penetrates in depth, protects and hardens old absorbent cement surfaces.
- It can be easily repaired locally if necessary.

TECHNICAL DATA

Basis:	one-component resin
Appearance:	liquid
Colors:	transparent, indian red, ochre, grey, green and on request from RAL color card for orders more than 300kg.
Viscosity:	540 ± 75 mPa•s at 23°C
Density:	1,022 ± 0,018 gr/cm ³
Final strength:	after 7 days at 23°C
Temperature for the application and drying of the material:	12 – 35°C
Hardness according to SHORE D:	40 ± 3 after 2 days
Walkability:	3,45 ± 0,28 N/mm ² (breaking of concrete)
Adhesive strength:	

SUBSTRATE REQUIREMENTS

Concrete quality:	at least C16/20
Age:	at least 28 days
Moisture content:	below 4%

PREPARATION - APPLICATION

Applied only on dry surfaces. Protected from arising humidity and free of materials that might prevent bonding e.g. dust, loose particles, grease etc. The success in the application depends on the right preparation of the underlay and use of the material.

- Grinding of the surface with a mosaic machine.
- **Good, dry** cleaning of the surface from dust and residues with vacuum cleaner and use of squeegees.

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- Good mixing of the material inside the drum with a low revolution mixer (300-600 rpm) for 1-2 min prior application.
- In case of troweled surfaces when there is a need for a penetrating material, it is suggested the application of **POLFLOOR-DP 813**, with dilution with 50% **EPOXY SOLVENT 132** for deeper penetration, in one or two layers.
- Then application of another layer with **POLFLOOR-DP 813** diluted with 25% **EPOXY SOLVENT 132**. The last layer is applied with undiluted **POLFLOOR-DP 813**, until the surface is saturated and a film is created. If mat spots appear, then another layer is necessary. The next layer follows the other before the previous dries completely. The dilution and the number of layers vary from one surface to another depending on the absorbency.

CONSUMPTION

- 250-600 gr/m², in two layers depending on the type, absorbency and roughness of the underlay.

APPLICATION TOOLS

Nappy rolls, brushes for smooth industrial surfaces. Tools should be cleaned with **EPOXY SOLVENT 132** immediately after use.

PACKAGING

Supplied in drums of 15 kg.

STORAGE

One year in unopened containers in dry places with minimum temperature 5°C.

REMARKS

- Working time of **POLFLOOR-DP 813** decreases when ambient temperature rises.
- It **cannot be applied in thickness for closing cracks or holes**.
- In case of cracks or holes we recommend the use of **EPOFIX-H 207** (former EPOXY STUCCO TWO-COMPONENT) or **POLYSMOOTH 2C 803** (former QUARZ FLOOR).
- **POLFLOOR-DP 813** is not resistant against acid solutions. In this case it is recommended the use of **POLFLOOR-PU 807** (former POLYURETHANE RESIN) or **POLEPOX-DP 815** (former EPOXY RESIN (815) which offers chemical protection against acid solutions.
- The usage of mosaic machine must precede the application of **POLFLOOR-DP 813** for the creation of pores and the right penetration.
- In case old floors are going to be laid or a long period of time interferes between successive layers (twenty four hours during winter or twelve ours during summer), the surface must be thoroughly cleaned and ground prior to application of a new layer.
- On surfaces with arising humidity, it is recommended the usage of **WATER-EPOXY SYSTEMS**.
- After hardening, **POLFLOOR-DP 813** is completely safe for health.

CAUTION

The application must take place in well-aired places using protective gloves. Skin or eye contact must be avoided, otherwise wash carefully with soap and water. Flammable before the application.

For more information consult the material safety data sheet.

The information given here is true, represents our best knowledge and is based not only on laboratory work, but also on field experience. However, because of numerous factors affecting results we offer this information without any guarantee and no patent liability is assumed. For additional information or questions, contact the technical department of POLAT S.A.

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