

POLEPOX-DP 815

TRANSPARENT OR COLORED PENETRATING AND COATING EPOXY PAINT FOR CREATING ANTI-DUST FLOORINGS

GENERAL CHARACTERISTICS

POLEPOX-DP 815 is epoxy-based, anti-dust, hardening, penetrating, transparent or colored, two-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 or walls in food industries.
- Eliminates dust from decay in old & new floorings, reinforcing their durability.
- Offers high mechanical resistance and chemical protection against acid solutions, alkalis, oil, grease etc. 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:	two-component epoxy resin
Appearance:	liquid
Colors:	Available in 6 colors.
Viscosity (A+B):	100-500 mPa•s at 25°C
Density (A+B):	1,065 ±0,003 Kg/l
Mixing proportion (A:B):	50:50 by weight
Application time:	approx. 30-40min at 25°C
Final strength:	after 7 days at 25°C
Temperature for the application and drying of the material:	12 – 35°C after 2 days at 25°C
Walkability:	>3 N/mm ² (breaking of concrete)
Adhesive strength:	

SUBSTRATE REQUIREMENTS

Concrete quality:	at least C20/25
Age:	at least 30 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.

- Preparation of the surface using a mosaic machine.
 - **Good, dry** cleaning of the surface from dust and residues with vacuum cleaner and use of squeegees.
 - Caution must be taken so that temperature of the substrate as well as ambient air remains above 12°C during application and curing of the materials while relative environment humidity does not exceed 75%.
 - Good mixing of components A (resin) & B (hardener) packed into separate containers in fixed weight proportions. Mixing should be performed using a low revolution mixer (300-600 rpm) for 1-2 min. Stirring of the mixture should be performed thoroughly near the sides and bottom of the container in order to achieve uniform dispersion of the hardener.
 - Then, application of two or three layers with **POLEPOX-DP 815**, 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 after the previous dries within 6-12 hours depending on the ambient temperature and not more than 24 hours. The number of layers vary from one surface to another depending on the absorbency.
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CONSUMPTION

250-500 gr/m², in two or more layers at least, depending on the type, absorbency and roughness of the underlay.

TOOLS

Mohair rolls, depending on the desired thickness. Tools should be cleaned with solvent immediately after use.

PACKAGING

Supplied in packages of 30 kg (two drums). Components A and B have the fixed weight proportion.

STORAGE

One year in unopened containers in dry places with minimum temperature 5°C and maximum temperature 35°C, protected from moisture and heat.

REMARKS

- Working time of **POLEPOX-DP 815** decreases when ambient temperature rises.
- Prolonged storage of partially used containers must be avoided as contact with atmospheric moisture will result in skinning and clouding of the product.
- **It cannot be applied in thickness for filling cracks or holes.**
- In case of cracks or holes we recommend the use of **EPOFIX-H 207**.
- The usage of grinding machine must precede the application of **POLEPOX-DP 815** 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 (twelve hours in summer and twenty four hours in winter), the surface must be thoroughly cleaned and ground prior to application of a new layer.
 - Do not mix or apply unless surface, air and material temperatures are over 12°C during the next 24 hours.
 - Do not apply to floors if there is moisture in the subfloor drive or hydrostatic pressure. Prior precautions measurements of humidity with special device are suggested.
 - **POLEPOX-DP 815** will yellow upon prolonged exposure to sunlight or high-intensity artificial lights. A urethane topcoat is highly recommended for color stability.
 - After hardening, **POLEPOX-DP 815** is completely safe for health and meets all requirements for food industries.
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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.

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 KDF LTD.