

POLEPOX VISCO-PR 825

(former EPOXY PRIMER SEMI-SOLID TWO-COMPONENT)

GENERAL CHARACTERISTICS

POLEPOX VISCO-PR 825 is a clear, epoxy, two-component resin. It is used as an adhesive component between concrete surfaces and final epoxy coatings.

- Recommended for highly absorbent surfaces.
- Penetrates in depth.
- Eliminates dust and decay from old & new floorings, reinforcing their durability.
- Offers high mechanical resistance and chemical protection against acid solutions, alkalis, oil, grease etc.
- It can be easily repaired locally if necessary, but must precede grinding of the surface with a sandpaper or mosaic machine.
- Ideal for hospitals, for antibacterial use.

TECHNICAL DATA

Basis:	two-component epoxy resin
Appearance:	liquid
Colors:	transparent
Viscosity (A+B):	600,0 ± 50,0 mPa•s at 23 °C
Density (A+B):	1,021 ± 0,001 gr/cm ³
Mixing proportion (A:B):	50:50 by weight
Application time:	approx. 40 min at 23 °C
Final strength:	after 7 days at 23°C
Temperature for the application and drying of the material:	10 - 35 °C
Walkability:	after 24 hours at 23 °C
Adhesive strength:	3,50 ± 0,05 N/mm ² (breaking of concrete)

SUBSTRATE REQUIREMENTS

Concrete quality:	at least C20/25
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, or with sandblast or rotor machine, depending on the thickness of the final coating.
- **Good, dry** cleaning of the surface from dust and residues with vacuum cleaner and use

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of squeegees.

- 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 more layers, with **EPOXY PRIMER SEMI-SOLID (825)**, until the surface is saturated and a film is created. If mat spots appear, then another layer is necessary until the final outcome is shiny. The next layer follows the other before the previous starts to dry. The number of layers varies from one surface to another depending on the absorbency.

CONSUMPTION

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

APPLICATION TOOLS

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

PACKAGING

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

STORAGE

At least 12 months in unopened containers in dry places with minimum temperature 5°C.

REMARKS

- Working time of **POLEPOX VISCO-PR 825** decreases when ambient temperature rises.
- **It cannot be applied in thickness for closing cracks or holes.** In this case it can only be used if mixed with fine dry sand.
- In case of cracks or holes we recommend the use of **EPOFIX-H 207** (former EPOXY STUCCO TWO-COMPONENT) or **POLYSMOOTH 2C 803** (former TWO COMPONENT QUARZ FLOOR).
- The usage of mosaic machine must precede the application of **POLEPOX VISCO-PR 825** for the creation of pores and the right penetration of the material.
- In case old floors are going to be laid or a long period of time interferes between successive layers, the surface must be thoroughly cleaned and ground prior to application of a new layer.
- On surfaces with arising humidity, the usage of **POLEPOX-PR 826-W** (former WATER-EPOXY PRIMER) is recommended.
- After hardening, **POLEPOX VISCO-PR 825** 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 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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