

POLEPOX 833-CV

(former EPOXY TWO-COMPONENT CONDUCTIBLE VARNISH)

GENERAL CHARACTERISTICS

Epoxy two-component system. It offers strong bonding to the substrate and good conductivity that prevents the accumulation of static electricity on surfaces. It is used as an intermediate layer of the **EPOXY CONDUCTIBLE PAINT** to assure uniform conductivity on the whole floor surface.

TECHNICAL DATA

Basis:	two-component epoxy resin
Colors:	black
Viscosity (A+B):	1060 mPa•s at 23°C
Density (A+B):	1,14 gr/cm ³
Mixing proportion (A:B):	77:23 by weight
Application time:	approx. 1 hour at 23 °C
Final strength:	after 7 days at 23°C
Temperature for the application and drying of the material:	12 – 35°C
Walkability:	after 2 days
Adhesive strength:	>3 N/mm ² (breaking of concrete)

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.

- Treatment of the surface with a mosaic machine.
- **Good, dry** cleaning of the surface from dust and residues with vacuum cleaner and use of squeegees.
- Priming of the surface with **POLEPOX-PR 824** (former EPOXY PRIMER). Consumption: 200-300 gr/m² in two or more layers on industrial, troweled floorings. 300-600gr/m² depending on the type and the absorbency of the underlay.
- After hardening of the primer (2-12 hours depending on the ambient temperature) follows the installation of the special copper-bands (conductors), in no less than 1,6m/m², in a grid formation and connection to the ground through a perimetrical cable. That means that in an area of 100m² there are needed 16 lines of copper-bands of 10m each. The 8 copper-bands are installed vertically and another 8 horizontally in a grid formation.
- Afterwards the surface is coated with **POLEPOX 833-CV**. Good mixing of components A (resin) & B (hardener) packed into separate containers in fixed weight proportions. Mixing should be performed using a **very low revolution mixer (100 rpm)** for 1-2 minutes prior to

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application. 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.

- Finally, after **POLEPOX 833-CV** has dried follows the application of the **POLEPOX COAT 833-CC** (former EPOXY SELF-LEVELING CONDUCTIBLE PAINT) within the following 24 hours.
 - The self-leveling layer should be rolled using a special spiky-roller in order to release any possibly entrapped air and avoid the formation of bubbles.
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CONSUMPTION

- 300-400 gr/m².
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APPLICATION TOOLS

Special rollers and brushes. 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 6 months in unopened containers in dry places with minimum temperature 5°C.

REMARKS

- Working time of **POLEPOX 833-CV** decreases when ambient temperature rises.
 - 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.
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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. Flammable before the application.

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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