

# POLEPOX-PR 826-W

## (former WATER-EPOXY PRIMER TWO-COMPONENT)

TRANSPARENT, EPOXY-BASED RESIN, DILUTED IN WATER USED AS AN ADHESIVE COMPONENT BETWEEN CONCRETE SURFACES AND WATER-EPOXY COATINGS

### GENERAL CHARACTERISTICS

**POLEPOX-PR 826-W** (former WATER-EPOXY PRIMER) is a clear, soaking, two-component resin. It is used as an adhesive component between concrete surfaces and water-epoxy final coatings such as **POLEPOX COAT 827-W** (former WATER-EPOXY PLASTICOAT) and **POLEPOX FLOOR 828-CW** (former WATER-EPOXY HIGH RESISTANT FLOOR).

- It penetrates in depth.
- 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):	77,8 ± 1,7 mPa.s at 23°C
Density (A+B):	1,060 ± 0,002 gr/cm <sup>3</sup>
Mixing proportion (A:B):	25:75 by weight
Temperature for the application and drying of the material:	12 – 35°C
Final strength:	after 7 days at 23°C
Walkability:	after 2 days
Adhesive strength:	3,31 ± 0,35 N/mm <sup>2</sup> (breaking of concrete)

### SUBSTRATE REQUIREMENTS

Concrete quality:	at least C20/25
Age:	at least 28 days

### PREPARATION - APPLICATION

**Applied only on stable surfaces. Free of standing water and 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, 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 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.
- Application of **POLEPOX-PR 826-W** (former WATER-EPOXY PRIMER), diluted with 50% **WATER** for deeper penetration, in two layers.

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- Then, application of another or more coatings, with undiluted **POLEPOX-PR 826-W** (former WATER-EPOXY PRIMER), until the surface is saturated and a film is created. If mat spots are created then another layer is necessary until the final outcome is shiny. The next layer follows the other before the previous starts to dry. The dilution and the number of layers vary from one surface to another depending on the absorbency.

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**CONSUMPTION**

- 250-600 gr/m<sup>2</sup> in two layers depending on the type and the absorbency of the underlay.

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**APPLICATION TOOLS**

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

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**PACKAGING**

Supplied in packages of 20 Kg (two drums). Components A and B have the fixed weight proportion.

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**STORAGE**

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

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**REMARKS**

- Working time of **POLEPOX-PR 826-W** (former WATER-EPOXY PRIMER) decreases when ambient temperature rises.
- It **cannot be applied in thickness for closing cracks or holes**.
- The usage of mosaic machine must precede the application of **POLEPOX-PR 826-W** (former WATER-EPOXY PRIMER) 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 or twenty four hours in winter), the surface must be thoroughly cleaned and ground prior to application of a new layer.
- After hardening, **POLEPOX-PR 826-W** (former WATER-EPOXY PRIMER) 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.**

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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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