

## POLEPOX-OP 811

TWO-COMPONENT, ORANGE PEEL TEXTURED, EPOXY COATING FOR FLOORS AND WALLS

### GENERAL CHARACTERISTICS

**POLEPOX-OP 811** is a two-component, orange peel textured, epoxy coating.

- Creates colored, easy-to-clean, maintenance-free, seamless flooring.
- Ideal for old and new dry surfaces, for light and medium circulation.
- Effectively conceals imperfections or irregularities on concrete surfaces.
- Prevents dust creation and decay on old & new floorings, reinforcing their durability.
- Offers mechanical resistance and chemical protection against acid solutions, alkalis, oil, grease etc. Meets all **HEALTH STANDARDS**.
- Suitable also for wall applications.
- It can be easily repaired locally if necessary.
- Areas of application: food industries, dairy factories, slaughterhouses, waste treatment plants, pharmaceutical plants, workshops, supermarkets, laboratories, factories, warehouses, hospitals for antibacterial use etc.

### TECHNICAL DATA

Basis:	two-component epoxy resin
Appearance:	liquid
Viscosity (A+B):	2200 ± 50 mPa•s at 23°C
Density (A+B):	1,450 ± 0,006 gr/cm <sup>3</sup>
Mixing proportion (A:B):	29,6:70,4 by weight
Application time:	approx. 50 min at 23°C
Final strength:	after 7 days at 23°C
Walkability:	after 2 days
Adhesive strength:	>3 N/mm <sup>2</sup> (breaking of concrete)
Temperature for the application and drying of the material:	12 – 35°C
Colors:	Available in 12 basic colors and on request from RAL color card for orders more than 300kg.

## SUBSTRATE REQUIREMENTS

Concrete quality:	at least C20/25
Age:	at least 28 days
Moisture content:	below 4%

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## PREPARATION- APPLICATION

**Applied only on dry surfaces, protected from rising humidity and free of materials that might prevent bonding e.g. dust, loose particles, grease etc.** The success of the application depends on the right preparation of the substrate and use of the material, as follows:

- 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.
  - Priming of the surface with **POLEPOX-PR 824** (former EPOXY PRIMER) or **POLEPOX-PR 832-SF** (former EPOXY PRIMER WITHOUT SOLVENTS). Consumption: 250-500 gr/m<sup>2</sup>, depending on the absorption of the substrate.
  - After hardening of the primer (2-12 hours depending on the ambient temperature) and within 24 hours, follows the application of **POLEPOX-OP 811**.
  - 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.
  - The material is applied in two layers using nappy rollers. The second layer follows after the first one dries (within 6-12 hours depending on the ambient temperature) and in not more than 24 hours.
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## CONSUMPTION

0,6 kg/m<sup>2</sup>/0,4mm in two layers.

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## APPLICATION TOOLS

Nappy rollers. Tools should be cleaned with **EPOXY SOLVENT 132** immediately after use.

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## PACKAGING

Supplied in packages of 25 kg (two drums). Components A and B have fixed weight proportion.

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## STORAGE

One year in unopened containers in dry places with minimum temperature 5°C and maximum temperature 28°C.

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## REMARKS

- Working time of **POLEPOX-OP 811** decreases when ambient temperature rises.
  - 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.
  - After hardening, **POLEPOX-OP 811** 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 KDF LTD.