

TWO-COMPONENT EPOXY FLOOR RESIN WITH PEARL METALLIC EFFECT
REAL 800 METALLIC/PEARL

PRODUCT DESCRIPTION

Two-component, self-levelling epoxy resin for floors with a pearl metallic effect, with low viscosity, without strong odor and solvents. Contains reflective metallic pigments. After application, it forms a decorative and wear-resistant floor covering without joints with a pearl metallic effect.

TECHNICAL SPECIFICATIONS

Appearance	Full gloss
Color	Metallic
Density (g/ml +20°C)	1.40 ± 0,05
Mixing ratio by weight	A Comp.: 67 units B Comp.: 33 units
Solids content by weight (w/w)	% 98 ± 2
Application method	Trowel, brush, roller
Open working time at +20°C	20-25 min.
Fully dry at +22°C	7 days



Drying information

	Touch dry	Hardened after	Interval between layers
-5°C	12 h	29-30 h	24 h
+0°C	9 h	20-21 h	18 h
+5°C	6 h	13-14 h	12 h
+15°C	120-160 min	5-6 h	3.5 h
+25°C	80-100 min	3-4 h	2 h
+35°C	60-80 min	1.5-2 h	1.5 h

Wet film thickness (μ)	Dry film thickness (μ)	Theoretical consumption rate ± 10 (кг./кв.м.)
1000	1100	1.6 - 2

Note: As the application thickness increases, the consumption also increases.

CHARACTERISTICS

Two-component epoxy resin-based finishing floor coating, resistant to yellowing. Consists of low-viscosity, odorless resins and solvents.

Contains reflective metallic pigments that create a decorative appearance on the applied surface. The self-leveling epoxy resin forms a flat and smooth surface without joints.

Designed as a multifunctional system for decorative floor coatings in interior spaces.

Allows the achievement of surface effects similar to marble, granite or ceramics. Provides a glossy surface with a pearl metallic effect.

The coating is waterproof, antibacterial and easy to clean, with high resistance to mechanical stress, wear and chemicals. Through different color and pigment combinations, a variety of decorative textures can be achieved, resembling ceramics and marble.

Provides the production of glossy, decorative and aesthetic surfaces with metallic and pearl effects.

It has high resistance to mechanical stress, wear and chemical effects. Thanks to its waterproof and antibacterial structure, it is easy to clean.

The floor covering is suitable for projects that require a combination of decorative appearance and high technical characteristics.

AREA OF APPLICATION

Decorative floor covering system for interior floors that require aesthetic appearance, high mechanical resistance and antibacterial properties.

It is used in shops, business buildings, showrooms, offices, lobbies, homes, laboratories, corridors, schools, garages and other interior spaces.

It can be applied to any concrete, ceramic, marble, mosaic and steel surfaces.

After cleaning and priming the base, it can be applied to concrete, ceramic, marble, mosaic, steel and other mineral or metal interior surfaces. Thanks to its self-levelling structure, it forms an even, smooth and jointless flooring.



SHELF LIFE

It should be stored in its original packaging in a cool, dry place. The shelf life in unopened packaging is 12 months for components A and B.

METHOD OF USE

Before using the epoxy floor coating, the components are mixed well separately. Then, component A (resin) is mixed with component B (hardener) and mixed with an electric mixer until a homogeneous mixture without lumps is obtained.

1. Applying primer (first layer)

Apply 2K epoxy primer REAL RESIN 360 to the prepared and cleaned surface.

Approximate primer consumption: 0.3 - 0.4 kg/sq.m.

While the resin is still fresh, quartz sand with a grain size of 500-600 microns is evenly sprinkled on the surface. Consumption rate: 1.0 - 1.5 kg/sq.m.

This operation is performed in order to increase adhesion to the substrate and increase the mechanical resistance of the coating.

2. Applying an intermediate layer

After the primer has hardened, the loose sand particles that have not adhered are removed by cleaning. Then, REAL MC 500 intermediate floor coating is applied to the surface. The color of the intermediate floor coating must match the color of the epoxy resin. The consumption of the intermediate floor coating is 0.5 - 0.6 kg/m². After applying the intermediate layer, the intermediate layer is left to harden and dry.

3. Finishing layer - Epoxy resin for floors with a pearl metallic effect

After the intermediate layer has hardened and dried, REAL 800 METALLIC/PEARL epoxy resin is applied as a finishing layer with an approximate consumption of 1.6 - 2 kg/m².

During application, the resin must be evenly distributed over the surface so that the desired decorative effect is achieved.

When applied at ambient temperatures of +15°C or lower, while the product is still fresh, controlled heating with a gas burner should be carried out to remove air bubbles.

This operation improves the quality of the surface and promotes uniform curing of the coating.

4. Curing

After completion of the application, the coated surface should be left to cure for the period specified by the manufacturer, depending on the environmental conditions, during which time it should be protected from mechanical stress and traffic.

The surface should not be put into service before complete curing has been achieved.

PACKAGING

A Component: 10.05 kg.

B Component: 4.95 kg.

Total weight of the set: 15 kg.

ENVIRONMENTAL CONDITIONS

The air temperature should be in the range of +15°C to +35°C. Application should not be carried out at humidity above 80%. The surface temperature should be at least 3-5°C above the dew point to prevent condensation.

It should be borne in mind that the material consumption will increase when applying at low temperatures. The surface temperature should be at least +5°C and at most +45°C.

HEALTH AND SAFETY CONDITIONS

Read the Material Safety Data Sheet (MSDS) for safety rules and warnings.

The most necessary safety rules to be followed are the following:

- Contact of the product with the skin and eyes must be prevented by using gloves, safety glasses, a face mask and cream.
- Ventilation must be provided during application and until the primer has completely dried.
- In case of contact with the skin, the affected area must be washed with warm water, soap or detergent.
- In case of contact with the eyes, rinse thoroughly with water for at least 10 minutes and seek medical attention.
- It is necessary to carefully read all warning labels on the packaging and strictly follow the recommended operating instructions.

***Product information is prepared based on our own laboratory tests and research under normal conditions. Our company is not responsible for work performed under inappropriate working conditions. The company reserves the right to change this information. For more detailed information, please contact... R.Y.K.**

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