SOLID 800 METALİC/SEDEF SELF LEVELLİNG EPOXY

PRODUCT DESCRIPTION

SOLID 800 METALLIC / PEARLESCENT EPOXY is a two-component, epoxy-based floor coating system formulated with low-viscosity, solvent-free, and odorless resins. It provides a unique decorative appearance through the use of reflective metallic pigments.

TECHNICAL SPECIFICATIONS

Appearance	Full gloss	
Colour	Metallic	
Density (gr/ml 20ºC)	1,10 ± 0,05	
Mixing Ratio (by Weight)	A Comp.	67 Unit
	B Comp.	33 Unit
Solids by Weight (w/w)	% 98 ± 2	
Application Method	Trowel, Brush, Roller	
Pot Life (20ºC)	20-25 min.	
Full Cure (days/20°C)	4-10 day.	

*** DRYING INFORMATION (100 micron KFK)**

	Touch Dry	Hard Drying	Waiting Times Between Floors (Minimum)
-5°C	12 hour	29-30 hour	24 hour
0°C	9 hour	20-21 hour	18 hour
5°C	6 hour	13-14 hour	12 hour
15°C	120-160 min	5-6 hour	3,5 hour
25°C	80-100 min	3-4 hour	2 hour
35°C	60-80 min	1,5-2 hour	1,5 hour

NOTE: As the application thickness increases, the drying time accelerates..

CONSUMPTION **Wet Film Thickness**(µ)	**Dry Film Thickness** (µ)	**Theoretical Consumption** ± 10 (gr/m²)
1000	**1100**	**1500**

PRODUCT FEATURES

SOLID 800 METALLIC / PEARLESCENT EPOXY is a non-yellowing, epoxy resin-based, two-component topcoat system. It is formulated with low-viscosity, solvent-free, and odorless resins. The reflective metallic pigments incorporated in the formulation provide a decorative and homogeneous surface appearance.

Thanks to its self-levelling structure, it forms a smooth, seamless, and joint-free floor surface. It is designed as a multi-purpose system for decorative interior floor applications.

Through liquid application, it allows the creation of marble-, granite-, or ceramic-like surface effects. It provides a glossy, marble-effect finish. The system is waterproof, hygienic, and easy to clean.

SOLID 800 METALLIC / PEARLESCENT EPOXY exhibits high resistance to mechanical loads, abrasion, and a wide range of chemicals. Various decorative ceramic and marble textures can be achieved through different color and pigment combinations.

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ENVIRONMENTAL CONDITIONS

The ambient temperature should be between **+15°C and +35°C**. Application must not be carried out when the relative humidity exceeds **80%**. To prevent surface condensation, the surface temperature must be at least **3–5°C above the dew point**.

It should be noted that material consumption may increase when application is performed at low temperatures. The surface temperature must be a minimum of **+5°C** and a maximum of **45°C**.

SURFACE PREPARATION

The surface to be coated must be completely free from dirt, oil, and grease, and must be clean, sound, and load-bearing.
On previously coated surfaces, all loose, blistered, and poorly adhered old paint layers must be completely removed.

Rust, burrs, laitance, and weak surface layers must be removed in accordance with **SA 2½** standards using diamond-tipped mechanical equipment. After surface preparation, all dust must be thoroughly removed using an industrial vacuum cleaner.

Existing cracks, holes, and surface irregularities must be repaired with **SOLID GR 900 Mortar** prior to application, and the surface must be made fully ready for coating.

PRODUCT APPLICATION

All epoxy-based products used within the **SOLID 800 METALLIC / PEARLESCENT EPOXY** system must be mixed prior to application by stirring **Component A and Component B separately** with a low-speed mixer until homogeneous. The components are then combined at the manufacturer's specified mixing ratio to obtain a lump-free, fully homogeneous mixture.

1. Primer Coat Application

On the surface where preparation has been completed, mechanically ground, and fully dust-free, **SOLID Resin 360 Epoxy Resin** is applied at a consumption rate of approximately **0.300 – 0.400 kg/m²**.

While the resin is still wet, **silica sand with a particle size of 500–600 microns** is evenly broadcast onto the surface at a rate of **1.0 – 1.5 kg/m²**. This process is performed to enhance adhesion between the system layers and to increase mechanical strength.

2. Intermediate Coat Application

After the primer coat has cured, all loose and unbonded materials on the surface are removed. Then, the **SOLID MC 500 Intermediate Coat**, matched to the selected metallic epoxy color, is applied to the surface at a consumption rate of **0.500 – 0.600 kg/m²**. Following application, the surface is left to cure.

3. Top Coat – Metallic Epoxy Application

Once sufficient curing of the intermediate coat has been achieved, **SOLID 800 METALLIC / PEARLESCENT EPOXY** is applied as the top coat at a consumption rate of approximately **1.6 – 2.0 kg/m²**. During application, the product must be evenly distributed over the surface to achieve the desired decorative effect.

In applications carried out at ambient temperatures of **15°C and below**, any air bubbles that may form while the product is still wet should be carefully eliminated using a **controlled flame (torch) application**. This process improves surface quality and supports uniform curing of the coating.

4. Curing

After application is completed, the coated surface must be left to cure for the period specified by the manufacturer, depending on ambient conditions. During this time, the surface must be protected from mechanical loads and traffic. The floor must not be put into service until full curing has been achieved.

PACKAGING

- One bucket of **SOLID 800 METALLIC / PEARLESCENT EPOXY – Component A**: **net 10.05 kg**
- One gallon of **SOLID 800 METALLIC / PEARLESCENT EPOXY – Hardener Component B**: **net 4.95 kg**

Total (A + B): 15.00 kg

SHELF LIFE

The material must be stored in its original, unopened packaging in a cool and dry place. When stored under these conditions, the shelf life is 12 months for both Component A and Component B.

HEALTH AND SAFETY INFORMATION

For the required safety rules and warnings, please refer to the MSDS (Material Safety Data Sheet). The minimum safety precautions to be observed are as follows:

- **Contact of the coating with skin and eyes must be prevented by using protective gloves, safety goggles, face masks, and industrial barrier creams.**
- **Adequate ventilation must be ensured during application and until the coating has completely dried.**
- **In case of skin contact, wash immediately with warm water and soap or with an industrial-grade cleaner. If the product comes into contact with the eyes, rinse thoroughly with clean water for at least 10 minutes and seek medical attention.**
- **All warning labels and instructions on the containers must be carefully read, and the recommended working practices must be strictly followed.**

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

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