

TWO-COMPONENT, EPOXY SELF-LEVELING FLOOR COATING REAL SLF 116

PRODUCT DESCRIPTION

REAL SLF 116 is an epoxy floor coating with a glossy effect. It is used as a final sealing layer on concrete floors.

TECHNICAL SPECIFICATIONS

Appearance	Full gloss
Color	Optional from the RAL catalogue
Density (gr./ml. 20°C)	1,45 ± 0,05
Mixing ratio by weight	Comp.: A 80 unit Comp.: B 20 unit
Solids by weight (w/w)	% 98 ± 2
Application method	Trowel, brush, roller
Reapplication after a maximum	2 days
Open working time at +20°C	20-25 min.
Wear resistance	60-72 mg. (CS 10/1000)
Shore D hardness	75 ± (DIN 53505)
Flexural strength (7 days)	30 N/mm ² (TS EN 196-1)
Compressive strength (7days)	55 N/mm ² (TS EN 196-1)
Breaking strength in the concrete	4 N/mm ² (TS EN 4624)
Full curing at +22°C	7 days



DRYING INFORMATION (100 micron KFK)

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

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

Consumption Wet Film Thickness (μ)	Dry Film Thickness (μ)	Theoretical consumption rate ± 10 (kg./m ²)
1150	1100	1,6

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APPLICATION AREAS AND FEATURES

REAL SLF 116 is a self-leveling floor coating that provides unique floor surfaces in all colors..

REAL SLF 116 areas of use:

chemical industry, food and beverage industry, automotive industry and aircraft maintenance hangars, exhibition and trade fair halls, laboratories, and hospitals.

It is used as a decorative floor coating in industrial facilities where floor dust affects the production process, such as in the textile industry.

USAGE MANUAL

Surface Preparation

The application surface must be thoroughly cleaned of contaminants such as oils and grease. Any peeling old paint (on previously painted surfaces) must be removed. Rust and surface irregularities should be cleaned using a machine with a diamond tip, in accordance with SA 2 ½ standards. When applying by spraying, wearing a mask is mandatory. Proper ventilation is especially important in small and enclosed spaces.

Product Usage

Before use, the components of **REAL SLF 116** should be thoroughly stirred separately. Then, the self-leveling floor coating **REAL SLF 116** is combined with the hardener (component B) and mixed until a homogeneous mixture is obtained. To prevent condensation, the material should only be applied to a clean and dry surface with a temperature above the dew point. The temperature of the floor coating should be between +20°C and +35°C.

When using long spray hoses and when the temperature of the epoxy resin is below +15°C, thinning may be required, which can result in a thinner layer and longer drying time.

The application method is carried out using a brush, roller, or spray gun. When applying by spraying, a mask must be worn.

ENVIRONMENTAL CONDITIONS

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

It should be noted that material consumption will increase when applied at lower temperatures. The surface temperature must be at least +5°C and no more than +45°C.

PACKAGES

REAL SLF 116

Component A: 16 kg. Component B: 4 kg.
Total set weight: 20 kg.



SHELF LIFE

The material must be stored in its original packaging in a cool and dry place. The shelf life in unopened packaging is 24 months for components A and B.

HEALTH AND SAFETY INFORMATION

Refer to the product's Material Safety Data Sheet (MSDS) for safety guidelines and warnings.

The most essential safety precautions to follow are:

Contact of the product with skin and eyes must be avoided by using gloves, safety goggles, a face mask, and protective cream.

Ensure proper ventilation during application and until the primer is fully dried.

In case of skin contact, wash the affected area with warm water, soap, or a suitable cleanser.

In case of eye contact, rinse thoroughly with water for at least 10 minutes and seek medical attention.

Carefully read all warning labels on the packaging and strictly follow the recommended working

* Our information about the products is based on our own laboratory tests and researches under normal conditions. Our company is not responsible for studies under unsuitable application conditions. The right to change this information is reserved by our company. Please contact R.Y.K. for more detailed information

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