

## SOLID SLF 116 - SELF LEVELLING EPOXY WITH GLOSSY APPEARANCE

### PRODUCT DESCRIPTION

SOLID SLF 116 is an epoxy resin based, high-gloss top coat flooring product. It creates a seamless, smooth, and aesthetically pleasing surface. Thanks to its high mechanical strength and abrasion resistance, it provides long-lasting performance in industrial and commercial areas.

### TECHNICAL SPECIFICATIONS

|                               |                                                            |
|-------------------------------|------------------------------------------------------------|
| Appearance                    | : Full gloss                                               |
| Colour                        | : Desired Ral Elevations                                   |
| Intensity (gr/ml 20°C)        | : 1,45 ± 0,05                                              |
| Mixing Ratio (By Weight)      | : A bucket 8,00 unit<br>: B bucket 2,00 unit               |
| Solids by Weight (w/w)        | : % 98 ± 2                                                 |
| Application Method            | : Trowel, Brush, Roller                                    |
| Reapplicability               | : Max. 2 Days                                              |
| Pot Life (20°C)               | : 20-25 minutes                                            |
| Wear Resistance               | : ~60-72 mg (CS 10/1000 devir)                             |
| Shore D hardness              | : 75 ± (DIN 53505)                                         |
| Flexural Strength (7 days)    | : > 30 N/nm <sup>2</sup> (TS EN 196-1)                     |
| Compressive Strength (7 days) | : > 55/nm <sup>2</sup> (TS EN 196-1)                       |
| Breaking Strength in Concrete | : > 4 N nm <sup>2</sup> (rupture in concrete) (TS EN 4624) |
| Full Curing (day/22°C)        | : 7 days                                                   |



### \*DRYING INFORMATION (100 mikron KFK)

|      | Touch Dry       | Hard Drying | Waiting Between Floors Durations (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 minutes | 5-6 HOUR    | 3,5 HOUR                                   |
| 25°C | 80-100 minutes  | 3-4 HOUR    | 2 HOUR                                     |
| 35°C | 60-80 minutes   | 1,5-2 HOUR  | 1,5 HOUR                                   |

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

| CONSUMPTION<br>Wet Film Thickness<br>(mm) | Dry Film Thickness<br>(mm) | Theoretical Consumption<br>± 10 (kg/m <sup>2</sup> ) |
|-------------------------------------------|----------------------------|------------------------------------------------------|
| 1,10                                      | 1,00                       | 1,600                                                |

**NOTE:** As the application thickness increases, consumption also increases.

## APPLICATION AREAS AND FEATURES

**SOLID SLF 116**, This floor covering system offers perfectly smooth surfaces in all colours. **SOLID SLF 116** areas of use;

- Chemical industry,
- In the food and beverage industry,
- Automotive industry and aircraft maintenance hangars,
- Laboratories
- Hospitals
- Exhibition and fairgrounds,
- It is used as a decorative floor covering in industrial plants where floor dusting affects production, such as the textile industry.

## USAGE MANUAL

### Surface Preparation

The application surface is carefully cleaned from dirt, oil and grease. Loose old paint (on previously painted surfaces) is removed. Rust and burrs on the surface are cleaned with diamond tipped machine according to SA 2 ½ norms. A mask should be used during spraying applications. Very good ventilation is required especially in small, closed places.

### Product Usage

Before using SOLID SLF 116, its components are thoroughly mixed separately. Then a homogenous mixture is made with its own hardener. To prevent condensation, it is applied only on a dry and clean surface with a temperature above the dew point. Paint temperature should be 20-35°C. Thinning may be required with very long spray hoses and paint temperatures lower than 15°C. This may lead to lower film thickness and longer drying time.

*Application method; It is made by brush, roller or gun. A mask should be used for spray applications.*

## PACKAGING

One bucket of SOLID SLF 116 Component A is 16.00 kg net.

One gallon of SOLID SLF 116 Hardener Component B is 4.00 kg  
net. A-B COMP TOTAL. 20 KG

## AMBIENT CONDITIONS

Ambient temperature should be between +15°C and 35°C. Do not apply when the relative humidity exceeds 80%. The surface temperature should be at least 3-5 °C above the dew point to prevent surface condensation.

It should be known that the consumption will increase in the application at low temperatures. Surface temperature should be at least +5°C and maximum 45°C.

### SHELF LIFE

The material should be stored in its original packaging in a cool and dry place. The storage life of the material in unopened packaging is 12 months for component A and B.



### HEALTH AND SAFETY INFORMATION

- Read the MSDS form (Material Safety Data Sheet) for necessary safety rules and warnings. The minimum safety rules to be observed are as follows.
- Contact of the paint with skin and eyes should be prevented by using gloves, protective goggles, face mask, and industrial cream.
- Ensure adequate air circulation during application and until the paint dries.
- If paint comes into contact with skin, wash with warm water and soap or industrial cleaner. If splashed into eyes, rinse with water for at least 10 minutes and seek medical attention.
- All warning notices on the buckets must be read carefully and the recommended operating rules must be observed.

\* 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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