

## EPOX SL 800

Epoxy Based, Two Component, Solvent-Free, Self-Leveling Floor Coating Material

### Description

**EPOX SL 800** is an epoxy based, two components, solvent-free, self-leveling floor coating that resistant to chemicals. It can be used also with added aggregate.

### Fields of Application

- On concrete and cement based mineral surfaces,
- On medium and heavy wear industrial areas such as factories, storage halls, loading ramps etc.
- On wet areas such as hospitals, laboratories, food industries etc.
- On gym, carpark, shopping mall floors as coating material.

### Features and Benefits

- Has high adhesion performance.
- Safely used in interior surfaces due to the non-solvent property.
- Provides smooth surface due to the self-leveling property.
- Has high chemical and mechanical strength.
- Has high hygienic property.
- Easy to clean.

### Technical Data

Content	Epoxy resin	
Mixture Density	1,50 – 1,60 (g/cm <sup>3</sup> , 23°C)	(DIN EN ISO 2811-1)
VOC Value (%)	3,4 gr/lit / (% 0,2)	
Mixture Rate	A/B 4/1 (by weight)	
Abrasion Resistance (Taber)	115 mg 1000 cycles	(EN 1504-2)
Through Pull-off test adhesion strength	>2,0(1,5)b	(EN 1504-2)
Impact Resistance	Class III	(EN 1504-2)
Capillary absorption and permeability to water	<0,1 kg\m <sup>2</sup> . h0,5	(EN 1504-2)
Shore D Hardness	75±5	ASTM D 2240, DIN 53505
Compressive Strength (N/mm <sup>2</sup> )	72 ~ 85	DIN 53504 TS 1967

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Pot Life	30-40 minutes /23°C,200 g.	(DIN 16945)
Curing Time		
Dust free drying	3-4 hours (at 23°C)	
Touch dry	10-12 hours (at 23°C)	
Full curing	7 days (at 23°C)	
Chemical Resistance		
sulfuric acid (H2SO4) %10	3-2	
sulfuric acid (H2SO4) %20	2	
hydrochloric acid (HCL) %10	3-2	
hydrochloric acid (HCL) %20	3-2	
nitric acid (HNO3) %10	3-2	
nitric acid (HNO3) %20	2	
Xylene	1	
Ethanol	1	
Solvent Nafta	1	
Concentrated Fruit Extract	Staining	
Printing Ink	Staining	
(3*highly strength , 2*durable, 1*weak)		
GTIP No	3907.30.00.00.00	

### Application Procedure

#### **Preparation of Substrate**

Application surface must be cleaned off from the contaminant such as dirt, dust, rust, oil etc. Application surface must be scraped to be ready for application.

#### **Application Method**

Surface must be primed with **EPOX PR 100** solvent free primer. If needed, aggregate or primer+aggregate mixture can be used on between the coats.

A and B components must be stirred under low speed mixture during 3-4 minutes until homogenous mixture is obtained. Mixture should be applied on the surface by using a trowel or roller. Spiked roller is used for preventing the foam on the surface. If needed, aggregate can be added on mixture. Application must be protected from water, direct sun light, wind, frost and rain at least 1 day.

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## Consumption

1,50-1,60 kg/m<sup>2</sup>/mm

## Packaging

12 kg component A + 3 kg component B = 15 kg set

## Shelf Life

12 months in original, unopened package.

## Storage

Store in dry area between +10°C and +30°C. Protect from heat, freezing and direct sunlight.

## Cleanup Information

Clean tools and equipment with thinner immediately after use. Dried material can only be removed mechanically.

## Cautions / Limitations

- It may be harmful with skin contact.
- Do not apply in freezing conditions or during precipitation.
- Protect applied materials from rain, freezing, foot traffic and continuous high humidity until completely dry.
- Do not use when air and surface temperatures are below +10°C and above +30°C.

## Health and Safety

**Warning!** Cause eye and skin irritation. If eye or skin contact, get immediate medical attention. If swallowed, do not induce vomiting. Call a physician or poison control center. Never give anything by mouth to an unconscious person.

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Wash hands thoroughly after handling. Wear protective clothing, gloves, eye and face protection. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse. Dispose of unused, contents, container and other contaminated wastes in accordance with local, state, federal and provincial regulations.

Keep container closed when not in use. Keep out of the reach of children.

**Limited Warranty:** This product is subject to a written limited warranty which can be obtained free of charge from BAUMERK Company. Please contact with technical service department for further information and support.