

## EPOX FL 500

Epoxy Based, Two Component, Solvent-Free Floor and Wall Paint

### Description

EPOX FL 500 is an epoxy resin based, two component, solvent-free paint for floor and wall.

### Fields of Application

- On concrete and cement based mineral surfaces,
- On light, medium and heavy wear industrial areas such as factories, storage halls, loading ramps etc.
- On car parks, pedestrian walkways, power plants.
- On hygiene needed areas such as hospitals, laboratories, food industries etc.

### Features and Benefits

- Excellent chemical and mechanical strength.
- Has high adhesion performance.
- Solvent free, safely used in interior surfaces.
- Has hygiene and waterproofing properties.

### Technical Data

Content	Epoxy resin	
Mixture Density	1,5±0,05 (g/cm <sup>3</sup> , 23°C)	(DIN EN ISO 2811-1)
Viscosity	900±1500 mPas	(ISO EN 3219)
Adhesion Strength	>2 N/mm <sup>2</sup>	(EN 1542)
Compressive Strength (R+S)	80 N/mm <sup>2</sup>	(EN 196-1)
Flexural Strength (R+S)	55 N/mm <sup>2</sup>	(EN 196-1)
Abrasion Resistance (R+S)	58 mg	(TS 8130 EN ISO 5470-1)
Shore D Hardness	90±5	(EN ISO 868)
Pot Life	30-40 minutes /23°C,200 g.	(DIN 16945)
Curing Time		
<i>Dust free drying</i>	<i>60-90 minutes (at 23°C)</i>	
<i>Touch dry</i>	<i>5-7 hours (at 23°C)</i>	
<i>Full curing</i>	<i>7 days (at 23°C)</i>	
Chemical Resistance		

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<i>Sulfuric acid (H<sub>2</sub>SO<sub>4</sub>) %10</i>	3-2
<i>Sulfuric acid (H<sub>2</sub>SO<sub>4</sub>) %20</i>	3-2
<i>Hydrochloric acid (HCL) %10</i>	3-2
<i>Hydrochloric acid (HCL) %20</i>	3-2
<i>Nitric acid (HNO<sub>3</sub>) %10</i>	3
<i>Acetic acid (HNO<sub>3</sub>) %20</i>	2
<i>Xylene</i>	2
<i>Ethanol</i>	2
<i>Solvent Nafta</i>	2
<i>Chromic Acid (H<sub>2</sub>CRO<sub>4</sub>) 10%</i>	2
<i>Sodium Hydroxide (NaOH)</i>	3
<i>Concentrated Fruit Extract</i>	Staining
<i>Printing Ink</i>	Staining

(3\*highly strength, 2\*durable, 1\*weak)

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## 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, **EPOX 310** should be used for repairing or filling mortar.

A and B components must be stirred under low speed mixture during 3-4 minutes until homogenous mixture is obtained. Prepared mixture can be applied on the primed surface by using roller or spray machine as two-three layers.

## Consumption

0,400 kg/m<sup>2</sup> for each layer. (250-275 μ dry film thickness)

## Packaging

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A component: 18 kg + B component: 3 kg = 21 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

- 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.
- Avoid heavy traffic for 24 hours.

### 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.

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.

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**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.