

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	1,45 – 1,60 (g/cm ³ , 23°C)	(DIN EN ISO 2811-1)
Viscosity	700-1400 mPas	
Mixture Rate	A/B 85/15 (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 ² . h0,5	(EN 1504-2)
Shore D Hardness	80±5	ASTM D 2240, DIN 53505
Compressive Strength (N/mm ²)	65 ~ 77	DIN 53504 TS 1967
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>	

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<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	
<i>Sulfuric acid (H₂SO₄) %10</i>	<i>3-2</i>
<i>Sulfuric acid (H₂SO₄) %20</i>	<i>3-2</i>
<i>Hydrochloric acid (HCL) %10</i>	<i>3-2</i>
<i>Hydrochloric acid (HCL) %20</i>	<i>3-2</i>
<i>Nitric acid (HNO₃) %10</i>	<i>3</i>
<i>Acetic acid (HNO₃) %20</i>	<i>2</i>
<i>Xylene</i>	<i>2</i>
<i>Ethanol</i>	<i>2</i>
<i>Solvent Nafta</i>	<i>2</i>
<i>Chromic Acid (H₂CRO₄) 10%</i>	<i>2</i>
<i>Sodium Hydroxide (NaOH)</i>	<i>3</i>
<i>Concentrated Fruit Extract</i>	<i>Staining</i>
<i>Printing Ink</i>	<i>Staining</i>
<i>(3*highly strength, 2*durable, 1*weak)</i>	
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, **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

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0,400 kg/m² for each layer. (250-275 μ dry film thickness)

Packaging

A component: 17 kg + B component: 3 kg = 20 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 water 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

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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.