

## EPOX PR 300

Epoxy Based, Two Component, Moisture Tolerant Primer

### Description

**EPOX PR 300** is an epoxy resin based, two component, low viscosity, high adhesion performance even though on moist concrete and mineral surfaces, solvent free impregnation primer.

### Fields of Application

- For indoor and outdoor applications,
- On moist surfaces,
- On concrete and cement based mineral surfaces,
- Used as a primer before **BAUMERK** brand epoxy and polyurethane floor systems,
- Used for binding epoxy based mortars and mortar screeds,
- Used as filler and repair mortar after mixed with aggregate.

### Features and Benefits

- Applied on horizontal and vertical applications
- Solvent free, safely used in interior surfaces.
- Excellent penetration ability due to low viscosity behavior.
- Has high chemical resistance.
- Easy to apply

### Technical Data

Content	Epoxy resin	
Mixture Density	1,0 – 1,10 (g/cm <sup>3</sup> , 23°C)	(DIN EN ISO 2811-1)
Mixture Rate	A/B 60/40 (by weight)	
Tensile Strength (N / mm <sup>2</sup> )	20 ~ 24	(DIN 53504 TS 1967)
Tensile Elongation (%)	1,8 – 2,0	(DIN 53504 TS 1967)
E-Module (N / mm <sup>2</sup> )	20 ~ 24	(DIN 52371 TS 985)
Flexural Strength (N / mm <sup>2</sup> )	30	(DIN 52371 TS 985)
Pot Life	30-40 minutes /23°C,200 g.	(DIN 16945)
Curing Time		
<i>Dust free drying</i>	<i>3-4 hours (at 23°C)</i>	
<i>Touch dry</i>	<i>8-10 hours (at 23°C)</i>	
<i>Full curing</i>	<i>7 days (at 23°C)</i>	

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Chemical Resistance		
<i>sulfuric acid (H2SO4) %10</i>	3-2	
<i>sulfuric acid (H2SO4) %20</i>	3-2	
<i>hydrochloric acid (HCL) %10</i>	3-2	
<i>hydrochloric acid (HCL) %20</i>	3-2	
<i>nitric acid (HNO3) %10</i>	3-2	
<i>nitric acid (HNO3) %20</i>	3-2	
<i>Acetic Acid (CH3COOH) %10</i>	3-2	
<i>Acetic Acid (CH3COOH) %20</i>	2	
<i>Lactic Acid (CH3CHOH-COOH)%10</i>	2	
<i>Lactic Acid (CH3CHOH-COOH)%20</i>	2-1	
<i>Formic Acid (HCOOH) %10</i>	2	
<i>Formic Acid (HCOOH) %20</i>	2-1	
<i>Xylene</i>	2	
<i>Ethanol</i>	2	
<i>Solvent naphtha</i>	2	
<i>Chromic Acid (H2CRO4) 10%</i>	2	
<i>Sodium Hydroxide (NaOH)</i>	3	
<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**

Component A is stirred under low speed drill, then epoxy hardener, component B is added into the component A and mixed together under low speed mixer during 3-4 minutes until homogenous mixture is obtained. For primer applications, prepared mixture is applied on the surface by using roller, brush, trowel or squeegee. It can be used as mortar after mixed with aggregate. Other epoxy coats can be applied at the latest 24 hours after the primer application.

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## Consumption

0,100 – 0,150 kg/m<sup>2</sup>

## Packaging

13,6 kg component A + 6,4 kg component B = 20kg 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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## Epoxy Based, Two Component, Moisture Tolerant Primer

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.