

EPOX PR 100

Epoxy Based, Two Component, Solvent Free Primer

Description

EPOX PR 100 is an epoxy based, two component and solvent-free impregnating primer.

Fields of Application

It is suitable for using in **BAUMERK** brand name floor coating systems as interior and exterior surface primer. Also, it can be used as repair and grout mortar after mixing with aggregate.

Features and Benefits

- Low viscosity
- Solvent-free
- High penetration ability and adhesion performance.

Technical Data

Content	Epoxy resin	
Mixture Density	1,0 – 1,10 (g/cm ³ , 23°C)	(DIN EN ISO 2811-1)
Mixture Viscosity	700 – 1000 (mPas, 23°C)	
VOC Value (%)	0,4 gr/lit / (% 0,01)	
Mixture Rate	A/B 100/50 (by weight)	
Tensile Strength (N / mm ²)	20 ~ 24	(DIN 53504 TS 1967)
Tensile Elongation (%)	1,8 – 2,0	(DIN 53504 TS 1967)
E-Module (N / mm ²)	20 ~ 24	(DIN 52371 TS 985)
Flexural Strength (N / mm ²)	0,5	(DIN 52371 TS 985)
Pot Life	30-40 minutes /23°C,200 g.	(DIN 16945)
Curing Time		
<i>Dust free drying</i>	3-4 hours (at 23°C)	
<i>Touch dry</i>	8-10 hours (at 23°C)	
<i>Full curing</i>	7 days (at 23°C)	
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	

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<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 Asit (CH₃CHOH-COOH)%10</i>	2
<i>Lactic Asit (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 Nafta</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 the contaminant such as dirt, dust, rust, oil etc. Application surface must be scraped to be ready for application.

Application Method

Component A and B should be mixed by low speed mixture for 3-4 minutes and homogenous mixture is obtained. Mixture should be applied on the surface with using a trowel or roller. **EPOX PR 100** can be also used as repair mortar after mixed with aggregate. Application must be protected from direct sun light, wind, frost and rain at least 1 day.

Consumption

0,150 – 0,500 kg/m² depending on surface.

Packaging

A component: 17 kg + B component: 8 kg = 25 kg set

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Shelf Life

12 months in original, unopened package.

Storage

Store in dry area between +5°C and +35°C. Protect from heat, freezing and direct sunlight.

Cleanup Information

Clean tools and equipment with industrial type solvents 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 +3°C and above +35°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.

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.