

BAU RP

Epoxy based, 2-component, non-shrinking, thixotropic bonding agent

Description

Epoxy based, 2-component, solvent-free, non-shrinking, thixotropic bonding agent for a large variety of repairs and sealing. Unaffected by moisture, provides a bond of far greater strength than the tensile strength of the concrete itself – between different materials such as concrete, natural stone, mortar, bricks, cement, steel, aluminium, wood, glass, polyester, epoxy and many more. Applied with trowel in layers of maximum thickness of 30 mm at horizontal surfaces and 15 mm on vertical surfaces..

Features – Ideal for:

- High resistance to common chemical
- Excellent adhesion
- Both components are supplied in containers ready to be mixed
- High final strength
- High compatibility even with high moisture content
- High compatibility with all standard building materials
- Zero shrinkage
- Develops high adhesion forces
- No vertical slip
- High resistance to permanent presence of water

Examples of applications:

Concrete, cement mortars, ceramics, brick, wood, epoxy, polyester materials, glass, steel, cast iron, aluminum, stone, metal, etc.

Used for filling and sealing gaps and cracks in beams, columns, slabs, foundations, special constructions and to prevent the inflow of water.

Surface Preparation

Provide sufficiently stable surfaces that are dry & durable. Remove detached parts, dirt, grease, etc.

High-absorption substrates

Mortars and concretes which is to be applied BAU RP must be older than 28 days.

Substrates low absorption

On surfaces that are smooth and non-absorbent should be performed chemical cleaning. In cases where we have metal we must remove the rust.

Mixture preparation

Components A and B are provided in containers ready to be mixed. Stir well the components A and B using a low speed of electric mixer until the mixture becomes homogeneous. For small amounts of material mixing can be done manually.



Instructions

Apply in temperatures above +10 ° C with a trowel or using an appropriate tool. Immediately after the use, clean application tools with water or dilute aqueous solution of ethyl alcohol (rubbing alcohol) 20% w/w.

Consumption

20 kg/m²/cm

Package

Cans of 1 kg (A + B)

Storage

In shady preferably covered areas with low humidity for at least 12 months in original sealed packaging

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Technical features

Form Thixotropic paste	
Density: 1.80 kg/ltr	
Tint : Light grey.	
Maximum thickness: 35 mm	
Shrinkage: zero	
Adhesion to concrete: (EN 1542) > 4 N/mm ² (100% crushing of concrete)	
Compressive modulus (ASTM D695) 7500 N/mm ² after 7 days, 23 °C	
Working time (EN 196-1):	
Temperature	Minimum time
+10 °C	150 minutes
+30 °C	45 minutes
Compressive strength after 7 days in accordance with DIN EN 196:	
Temperature	
+10 °C	64 N/mm ²
+30 °C	98 N/mm ²
Resistance to bending after 7 days in accordance with DIN EN 196:	
Temperature	
+10 °C	37 N/mm ²
+30 °C	47 N/mm ²
Tensile strength after 7 days in accordance with ISO 527:	
Temperature	
+10 °C	22 N/mm ²
+20 °C	28 N/mm ²

Notes

Technical details, properties, recommendations and information on BAUSKIN products are supplied in good faith. They are based on the company's research and experience, provided that they are stored and applied under normal conditions. As the method of using materials as well as project and environment conditions are beyond the control of the company in each individual application setting, the product user is held solely responsible for the result of application. No responsibility under any legitimate relationship can be substantiated against the company, based on the information set out hereunder. Product users are advised to refer to the latest revision of the technical manuals available.

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Zertifiziert nach DIN EN ISO 9001



Precautions – Safety

We recommend the use of protective goggles and gloves when mixing and applying the material. After full maturation, BAU RP is completely safe.

TDS_BAU RP_12.2022

