

BAU R2

Polymer modified thixotropic mortar for concrete repairs.

Description

Fiber-reinforced cement-based polymer modified mortar for concrete repairs without corrosive ingredients. Suitable for patching or covering and repairing concrete, masonry, renders and bricks, forming fillets at wall to floor junctions, fixing ridge tiles on roofs etc. Offering superior bonding to substrates, high abrasion resistance, simplification of works and water repellency, no sagging, excellent finish and increased resistance to freeze / thawing cycles. It is classified as PCC repair mortar type concrete R2 according to the requirements of the European standard EN 1504-3.

Features – Benefits

- Develops strong adhesion forces with the substrate
- Improved resistance to successive cycles of cooling – heating
- High resistance to abrasion and common chemical

Substrate preparation

Provide stable surfaces that show no shrinkage trends. Remove loose, detached parts, dirt, oil, dust, etc. Before applying BAU R2 moisten the surface with water

Mixture preparation

Prepare BAU R2 in a container throwing the required amount of water and adding the contents of the bag gradually while stirring using a low speed electric mixer, until we have a homogeneous mixture with the desired consistency.

Instructions

Apply manually by pressing to the surface, or mechanically with a suitable jet engine taking care to penetrate and cover all the gaps. The material can be applied on successive layers of maximum thickness 20 mm per layer but when the previous coat has set enough but before drying completely. It is recommended to use appropriate tools for flattening to achieve a smooth finish. Avoid application under intense solar radiation ($> 35^{\circ}\text{C}$), during rainfall or anticipated to have temperature below 5°C . During the summer days, keep surfaces wet by lightly spraying with water for two days after application.

Packaging

Resistant paper bags, 25 kg on wooden euro pallet 1500kg.

Storage

12 months from the production date, in a sheltered area, protected from moisture and sun exposure.

Consumption

15 kg/m²/cm for each layer depending on the substrate



Specifications

Form: gray cement mortar
Density of dry mortar: 1.50kg/lit
Pot life: 3-4 hours at 20°C
Water demand: ≈ 4,0 - 4,6 lit water / 25kg mortar
Elasticity EN 13412 ≥ 14 GPa
Compressive strength: 28 days: ≥ 18 N/mm ² (EN 196-1)
Flexural strength: 28 days: ≥ 6N/mm ² (EN 196-1)
Adhesion EN 1542 ≥ 1,7 N/mm ²
Thermal compatibility freeze - melt EN 13687-1 ≥ 1,5 N/mm ² (adhesion after 50 cycles)

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Precautions and safety

The product contains cement and is classified as an irritant. No special precautions are necessary for product application except for standard precautions applicable to all construction operations i.e. using gloves and goggles; preventing prolonged skin contact, etc. In case of eye contact, immediately wash with plenty of water and seek medical advice if necessary. Collect empty bags and plastic covers and dispose of in refuse bins designated for this purpose. Consult instructions for safe use indicated on product packaging. For more information please refer to the material safety data sheet of the specific product.

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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