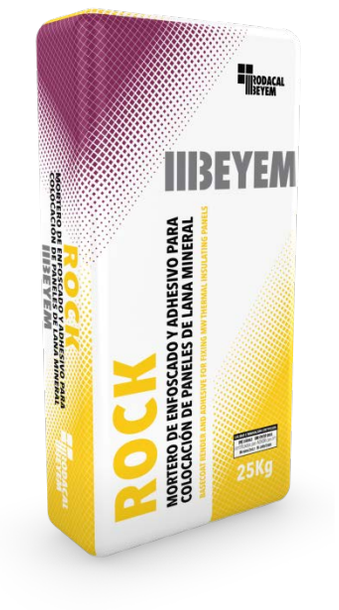
Beyem Rock

Basecoat render and adhesive for fixing MW thermal insulating panels

CE

EN 998-1



About this product

BEYEM ROCK is a basecoat render and adhesive for fixing insulating panels (mineral wool and glass fibre) in cavity walls. Formulated with high strength grey cement, selected aggregates, special additives to improve plasticity, adhesion, rainwater-proofing and an excellent workability.

Benefits

- Suitable for spray render and pump machines or manual applications.
- Good mechanical strengths.
- High bond strength on MW panels.
- Good open time. Allows adjustement.
- Applicable directly to the building enclosure.
- High workability.
- Rainwater-proof and permeable to water vapour.
- Easy and fast application.
- Factory produced for consistency of proportioning.

Use

Fixing MW and glass fibre panels for thermo-acoustic insulation systems in cavity walls. Mineral render for facades, brickwork and concrete block enclosures. Suitable as a grey coat finishing render or as a base coat for receiving mineral plasters, paints and ready to use dispersion/silicate/silicon resin based renders. As an undercoat in others multi-coat render systems. Interior plastering. Suitable for walls and ceilings both in interior and exterior situations, manually or mechanically. Projectable.

Substrates

BEYEM ROCK is suitable for:

- Bricks.
- Concrete blocks.
- Concrete (treated with BEYEM UNIÓN MORTEROS adhesion promoter primer).
- Cement based substrates.

Preparation of substrates

Substrates must be clean, compact and free of substances that reduce adhesion such as dust, oil, grease and with no loose material. Substrates must submit an adequate porosity and surface roughness. Uneven areas must be corrected. Dampen substrates with water to cool down if they should be too warm, in case of wind or over absorbent substrates and wait until the thin layer of water disappears. It is a good practice curing with a fine spray of clean water 24 h after application.
Do not apply on cellular concrete, gypsum based plasters, paint, plastic, wood or materials with low mechanical properties.

Instructions for use

Mix manually of mechanically BEYEM ROCK with 4,0-5,0 l per bag of clean water until a homogeneous, creamy and lump-free paste is obtained. Let the mix stand for 5 minutes before application.
To apply with render spray machine, it´s necessary to set the relation water/mortar and pump pressure depending on section and length of hose and climatology conditions. It´s important to maintain the variables affecting the properties of the applied mortar (distance to the wall, angle of application and water proportion).
As adhesive: Spread the mixed product with a trowel (in case of manually or mechanically application) leaving aprox. 5mm of average thickness. Smooth with a ruler the applied material. Set the insulating panel over fresh mortar and press to ensure adhesion.
As basecoat render: Spread the mixed product with a trowel (in case of manually or mechanically application) leaving 10 mm of average thickness. Press to ensure adhesion and expel the air contained in the pores. Smooth with a ruler the applied material to regulate thickness. When BEYEM ROCK is green (set but not fully hardened) it should be finished using a stainless steel trowel, wooden, plastic or sponge float according to the desired effect.

Cautions and recommendations

- Always mix with the specified amount of water.
- Do not apply below 5ºC or above 30ºC.
- Do not apply when there is risk of frost, rain, strong wind or direct sunlight.
- Above 10 mm of thickness, apply the product in two layers, leaving a roughness surface in the first to improve the adhesion of the second layer.
- The minimum finishing thickness of render must be 10 mm, to contribute actively to the waterproofing of surface.

- Reinforcement with alkali resistant fiberglass mesh may also be required, dependent upon substrate condition (junctions of different surfaces, corners of voids…) and project specification.
- Expansion joints should be included as required by the substrate and respected by all applied materials.
- It is necessary to use a primer on too high absorption substrates, as a cellular concrete, or on very low absorption substrates.

Technical data

Product identity. Properties of mixture and application data

Appearance	Powder
Color	Grey
Bulk density	≈ 1400 Kg/m^3
Density of the mix	≈ 1750 Kg/m^3
Grading	0-1 mm
Mixing water,%	± 18%
Minimum finishing thickness	10 mm
Maximum thickness application	20 mm (two layers)
Coverage	7,5 Kg/m^2 per ½ cm of thickness
Tariff code	3824.50.90.00

Final performances

Type	GP CSIV W_c 2
Adhesion	≥ 0,2 MPa
Compressive strength	≥ 8,0 MPa
Capillary water absorption	≤ 0,2 kg/m^{2}min$^{1/2}$
Water vapour permeability	$\mu \leq 20$
Thermal conductivity	0,67 W/m·K
Reaction to fire	Euroclass A1

Packaging

BEYEM ROCK is packed 25 kg plastic lined paper bags.
Storage: when stored unopened in a cool dry place, shelf life is 12 months from date of manufacture.

Cleaning tools

Tools can be cleaned easily with water before the product hardens. Hardened product can be remove only mechanically.

Project specification

Bonding of MW and glass fibre insulating panels must be carried out with rainwater-proof basecoat render and adhesive compliant with EN 998-1- Class GP CSIV W_c 2, such as Beyem Rock manufactured by Rodacal Beyem Company. Coverage will be ≈ 1,5 kg/m² per mm of thickness. The substrate must be clean, sound, compact and dimensionally stable. Expansion joints must be respected.

Health and Safety

For further and complete information about the safe use of our product please refer to our latest version of the Safety Data Sheet, which is available upon request.
Disposal of the product and packaging must be in accordance with current legislation. This is responsibility of the final product user.

Certifications

AENOR ER Empresa Registrada UNE-EN ISO 9001 ER-1089/1999

AENOR ER Gestión I+D+i UNE 166002 IDI-0004/2012

CERTIFIED IQNet MANAGEMENT SYSTEM

Contact

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Note

Product for professional use
The above guidelines and information is accurate to the best of our knowledge and is offered in good faith. This information is true and accurate, but as conditions of use and any labour involved are beyond our control, the end user must satisfy himself by prior testing that the product is suitable for his specific application, and no responsibility can be accepted, or any warranty given by our Representatives, Agents or Distributors. End user should ensure that he has our latest literature, copy of which will be sent upon request.