

Beyem 1,2,3

Ultra-fast setting mortar for anchoring, fixing and little repairs



About this product

BEYEM 1,2,3 is a ultra-fast setting mortar formulated with hydraulic binders and selected aggregates. Especially suitable for non structural anchoring, fixing and little repairs. For plugging leaks and seal joints to resist inflow of water.

Benefits

- Set in 5 minutes.
- Free of chlorides.
- Easy to apply.
- High early mechanical strength.
- Waterproof.
- Excellent bond strength.
- Non-shrink mortar.
- For interior and exterior use.
- High final mechanical strengths.

Use

Non structural anchoring and immediate embeddings. Stopping of running water and seepage through cracks and holes in masonry, walls, dams, wells, tanks, wall and floor junctions etc. It can also be used as a grout around pipes and conduits and as a rapid anchoring product of masonry elements, toilets, baseboards... or as a rapid-set filler. Masonry brickwork in walls and fine partitions. Cavity filling. Molding of holes and edges of windows and doors. For interior and exterior use.

Substrates

BEYEM 1,2,3 is suitable for:

- Concrete and concrete blocks.
- Brickwork. Ceramic bricks.
- Cement based substrates.

Preparation of substrates

Substrates must be clean, compact and free of substances that reduce adhesion such as dust, oil, paint, grease and with no loose material. Substrates must have already completed the curing period of hygrometric shrinkage. 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. Do not use on gypsum based plasters or paint.

Instructions for use

Mix manually of mechanically BEYEM 1,2,3 with 5,5-6,0 l per bag of clean water until a homogeneous, creamy and lump-free paste is obtained. Apply immediately the product using a trowel, filling the cavity in case of an anchorage. Beyem 1,2,3 starts to harden in 2/4 minutes and finishes in 5/6 minutes. Mix only sufficient material that can be applied using available labour and equipment taking into account the pot life of product.

Cautions and recommendations

- Anchors must be made verifying the depth and width with respect to the diameter of the anchorage.
- Do not apply below 5°C or above 30°C.
- Do not apply when there is risk of frost, rain, strong wind or direct sunlight.
- Do not re-mix product residues that have started to harden, because that causes a decrease in the properties of the mortar.
- Protect the mortar surface of early dehydration, using suitable curing methods to obtain a perfect setting.
- It is possible to delay initial setting time of mortar using setting retarders (contact Technical Support).
- It is recommended to mix small amounts of BEYEM 1,2,3
- Always mix with the specified amount of water.
- Do not use BEYEM 1,2,3 for concrete repair nor machinery anchors.
- Do not add more water than recommended amount, because that may cause a decrease in the mechanical properties of mortar and a delay in its setting time.
- Setting time of mortar increases with low temperatures.

Technical data

Product identity. Properties of mixture and application data

Appearance	Powder
Color	Grayish brown
Bulk density	≈ 1200 Kg/m ³
Grading	0-1 mm
Mixing water,%	± 23%
Initial setting time	2-4 min
Coverage	According to use
Tariff code	3824.50.90.00
Final performances	
Compressive strength	≥ 30,0 MPa
Compressive strength after 1h	≥ 1,5 MPa
Compressive strength after 24h	≥ 5,0 MPa

Packaging

BEYEM 1,2,3 is packed 25 kg plastic lined paper bags and 5 kg plastic 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 removed only mechanically.

Project specification

Non structural anchoring, cavity fillings and immediate embeddings must be carried out with ultra-fast setting mortar, such as Beyem 1,2,3 manufactured by Rodacal Beyem Company. The substrate must be clean, sound, compact free of substances that reduce adhesion. substrate must be dampened before product application.

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



ER-1089/1999



IDI-0004/2012



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.