



# FINE GREY WATERPROOF MORTAR FOR MANUAL RENDERING.

## BIKMOR 2002 M7,5FH



### Product description

- Premixed dry rendering mortar based on cement, lime hydrate, limestone sand of a selected grain size and chemical additives.
- Colour range:
  - Grey → BIKMOR 2002 Ę M7.5FH
- All the products can be manufactured in the **W2** high waterproof version.

### Applications

- Rendering of concrete walls, brick walls or concrete block walls, etc.
- Also suitable for grouting brick or concrete block walls.
- Excellent workability.

### Supports

- Suitable for conventional brick or concrete block supports. Do not apply on plaster or similar type supports.
- Suitable for not very porous supports (smooth concrete), previously apply the BIKREX primer or achieve the necessary ruggedness using mechanical means.
- The support must be stable (> 28 days of setting), clean and free of dust, grease, paints, etc.

### Precautions

- Check that the product to be used is suitable for the type of support and the type of work that is going to be carried out.
- Always mix the product using the recommended amount of water (approximately 4-4,5 liters/sack) and do not add cement, sand or any other product that will modify the original formula.
- Once the life cycle of the paste has been exceeded, do not add water to re-mix.
- The ambient temperature during the application of the product must be between 5° C and 35° C.
- Avoid breathing the powder and contact of the mixed product with the skin and the eyes. For more information consult the applicable Safety Data Sheet.

### Standards

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| <b>CE</b>  |
| Morteros y Revocos BIKAIN, S.A.<br>B/Aldebarrena, no. 18 48212 (Mañaria)-Bizkaia<br>07<br>DdP No. : R1   |
| EN 998-1<br><b>BIKMOR 2002-M7.5FH</b><br>Industrial mortars for normal rendering work on brick walls, ceilings, pillars and partitions   |
| <b>Compressive strength:</b> $\bar{\sigma}$ $\bar{\sigma}$ $\bar{\sigma}$ $\bar{\sigma}$ ..CSIV Category<br><b>Adhesive strength:</b> $\bar{\sigma}$ $\bar{\sigma}$ .. 0.1 N/mm <sup>2</sup> (FP: A-B)<br><b>Bulk density of hardened mortar:</b><br>$\bar{\sigma}$ $\bar{\sigma}$ $\bar{\sigma}$ $\bar{\sigma}$ $\bar{\sigma}$ $\bar{\sigma}$ $\bar{\sigma}$ $\bar{\sigma}$ $\bar{\sigma}$ $\bar{\sigma}$ $\bar{\sigma}$ ..1.5-1.7 (gr/cm <sup>3</sup> )<br><b>Reaction against fire:</b> $\bar{\sigma}$ $\bar{\sigma}$ $\bar{\sigma}$ $\bar{\sigma}$ $\bar{\sigma}$ $\bar{\sigma}$ ..Class A1<br><b>Water absorption:</b> $\bar{\sigma}$ $\bar{\sigma}$ $\bar{\sigma}$ ..W1 m0.4 (kg/m <sup>2</sup> .min <sup>0.5</sup> )<br>W2 m0.2 (kg/m <sup>2</sup> .min <sup>0.5</sup> )<br><b>Water vapour permeability (<math>\lambda_{10dy}</math>):</b> $\bar{\sigma}$ $\bar{\sigma}$ $\bar{\sigma}$ $\bar{\sigma}$ .. $\leq$ 15<br><b>Thermal conductivity:</b> $\bar{\sigma}$ $\bar{\sigma}$ $\bar{\sigma}$ $\bar{\sigma}$ $\bar{\sigma}$ $\bar{\sigma}$ ..0.61 W/mK (tabulated value P 50%)<br><b>Durability:</b> $\bar{\sigma}$ $\bar{\sigma}$ $\bar{\sigma}$ $\bar{\sigma}$ $\bar{\sigma}$ $\bar{\sigma}$ $\bar{\sigma}$ $\bar{\sigma}$ $\bar{\sigma}$ $\bar{\sigma}$ $\bar{\sigma}$ $\bar{\sigma}$ $\bar{\sigma}$ PND |

### Other technical characteristics

- Appearance:**..... Grey powder
- Grain size:**..... 0-1.2 mm
- Compressive strength (UNE-EN 1015-11):**  
..... Approx. average value 7,5 (N/mm<sup>2</sup>)
- Bulk density of fresh mortar (UNE-EN 1015-6):**  
..... 1,7 ± 0,1gr/cm<sup>3</sup>
- Water % (consistency of 175±10 mm UNE-EN 1015-3):**.....16-18%
- Theoretical yield:** .....20-22. (Kg/cm.m<sup>2</sup>)
- Tariff heading**..... 3824.50.90.00

## Usage instructions

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- Prior to applying the product check that the support is clean and free of dust, grease, etc., and is aged enough to avoid cracking due to shrinkage.
- Avoid freezing temperatures, strong winds and exposure to intense sunlight. Never use on frozen surfaces.
- In humid environments and on supports with a low absorption rate, the setting time is extended. In very dry weather the setting time is shortened
- If the support is very absorbent or is very dry, to facilitate a good adherence of the product, the support must be previously moistened or apply a splatter prior to rendering.
- Apply the product in a manner that it extends compact, uniformly and regulate it to homogenize the surface. Once the necessary hardness is achieved we must proceed to apply the desired finish (float, scraped, drip or smooth)
- The optimum thickness of the render must be between 10 and 20 mm and in no case shall it be less than 10 mm. For larger thicknesses, the work must be carried out twice; installing an alkali resistant glass fibre mesh in the centre of the render thickness but never exceeding 40 mm of total thickness.
- Stay clear of the building's structural joints. In large sections, plan to divide it into smaller sections measuring 2.2 m vertically and 7 m horizontally.
- At the joints between different supports or when meeting pillars, formwork, etc., an alkali resistant glass fibre mesh must be installed overlapping the joints by at least 20 cm.
- In cases where another cladding is bonded over the render, we must take into account that this cladding must never be stronger than the undercoat render.

### TO GROUT:

- Clean the joint removing the old mortar to a minimum depth of 10 mm.
- Brush the joint well to remove any traces of dust, loose particles, etc.
- Before applying the new mortar, wet the clean joint, taking care not to saturate it.
- Using the trowel, apply the new mortar by pressing down to make sure the joint is well filled.

## Supply

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- In 20 and 24 m<sup>3</sup> silos, which can be refilled at the work site using tank trucks.

- The silos may include equipment for automatically and continuously elevating the product as needed for the work.
- In 25 kg paper sacks Palletized in 60 sacks/pallet (1500 Kg).
- The supply will follow the General Terms of the Contract that is in force

## Storage

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- In silos we guarantee that the characteristics of the product are maintained intact for two months from the manufacturing date.
- Storing in sacks guarantees that the characteristics of the product are maintained intact for one year from the manufacturing date, as long as they are kept in a location that is under cover and dry.

## Customer / technical service

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- In case of doubt regarding the selection, use or application of the products, first consult with our Customer/Technical Service Department.
- If you need a specific product, our Customer/Technical Service Department will help you determine your specific requirements and will provide the best solution for your needs.

## Remarks

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- *Our technical advice, whether the advice is provided verbally or via tests, is provided according to the best of our knowledge but shall be considered only as a recommendation WITHOUT OBLIGATION. Since we are not involved in the execution of the works, the information is provided for general purposes and is not legally binding for BIKAIN.*
- *The technical sheet cannot include all the applications and factors involved with using a material. Therefore, regarding installations not described in this sheet, we recommend consulting with out technical department or carrying out a preliminary test to check the suitability of said application.*
- *The usage instructions are drafted based on our tests and knowledge and do not relieve the consumer from examining or checking the products are suitable for use. Therefore prior to using the product, whomever is going to use it must determine if it is suitable or not for the intended use, since he or she will assume any responsibility that may be derived from its use. The responsibility of BIKAIN shall be limited to the value of the used merchandise.*
- *BIKAIN, a registered company in accordance with Standard UNE-EN-ISO 9001 regarding quality systems, guarantees that its products have been controlled by its quality laboratory in accordance with the characteristics described in the Technical Sheets.*

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