



# High performance cement based tile adhesive



## BIKOLA PLUS



### Product description

- Mixer binder tile adhesive based on cement, aggregates of a selected grain size, chemical additives and synthetic resins.
- Colour range:
  -  Grey → **BIKOLA 4000 PLUS**
  -  White → **BIKOLA 4001 PLUS**

### Applications

- Tile adhesive with reduced slipping and longer open time suitable for bonding ceramic tiles with a medium-high absorption rate and small or medium size, marble, mosaic tiles and glass paste.
- Suitable for indoor cladding jobs and indoor/outdoor floor tiling.
- We recommend using BIKOLA FLEX on outdoor brick walls and/or large ceramic tile.

### Supports


- On mortar or cement renders.
- Suitable for indoor carton-gypsum substrates
- Use BIKOLA EYE on plaster based supports.
- The support must be stable (> 28 days of setting), clean and free of dust, grease, paints, etc.
- If the surface area of the support has defects, these must be corrected using mortar at least 48 hours prior to the bonding.

### 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.
- The ambient temperature during the application of the product must be between 5° C and 35° C.
- Avoid freezing temperatures, strong winds and exposure to intense sunlight. Never use on frozen surfaces.
- In the case of very absorbent supports and/or parts we recommend to lightly dampen them beforehand.
- To prevent slipping during vertical applications, limit the maximum weight of the tile to 40kg/m<sup>2</sup> and observe the maximum application thicknesses.

- Floor tiles weighing more than 40kg/m<sup>2</sup> and larger than 40x40 cm<sup>2</sup>, must be mechanically anchored.
- Check that the gypsum board is firmly fixed before applying on it.

### Standards

 0370	
Morteros y Revocos BIKAIN, S.A. B/Aldebarrena, no. 18 48212 (Mañaria)-Bizkaia 16 DdP No. : AD1	
EN 12004-1 <b>BIKOLA 4000 PLUS / 4001 PLUS</b> Cement based adhesive for Indoor and outdoor applications	
<b>Initial adhesion:</b>	≥ 0,5 N/mm <sup>2</sup>
<b>Adhesion after heat ageing:</b>	≥ 0,5 N/mm <sup>2</sup>
<b>Adhesion after immersion in water:</b>	≥ 0,5 N/mm <sup>2</sup>
<b>Adhesion after freeze-thaw cycles:</b>	≥ 0,5 N/mm <sup>2</sup>
<b>Longer open time:</b>	≥ 30 min
<b>Reduced slipping:</b>	≤ 0.5 mm

### Other technical characteristics

- Appearance:** ..... Grey/ white powder
- Water %:** ..... 26-28%
- Bulk density of fresh mortar (UNE-EN 1015-6):**  
..... 1.55 ± 0.1 (gr/cm<sup>3</sup>)
- Adjustability time:** .....  
..... 30 min. (depending on the weather conditions)
- Paste shelf life:** .....  
..... 3 hours. (depending on the weather conditions)
- Reaction against fire:** ..... A1
- Theoretical yield:** ..... Approx. 3-4 (kg/m<sup>2</sup>)
- Custom tariff** ..... 3824.50.90.00

## Usage instructions

- Mix the product with the amount of water indicated in this technical sheet (approximately 6-7 liters/sack) and manually or mechanically mix until a homogeneous consistency is obtained.
- Let the mixture settle for approximately 5 minutes prior to using.
- Re-mix and extend the product in sections not larger than 2 m<sup>2</sup>.
- Comb with a notched trowel to adjust the thickness (see table).

SIZE OF THE PART	NOTCHED TROWEL	BONDING
≤400 cm <sup>2</sup>	(6 x 6)	Simple
< 900 cm <sup>2</sup>	(6 x 6) or (8 x 8)	Double or simple
≥ 900 cm <sup>2</sup>	(8 x 8) or (10 x 10)	Double

- Bond parts by pressing them down until the grooves are completely pressed down to achieve a proper bonding of the entire surface. Prior to positioning the parts check that a film has not formed over the surface of the adhesive. If so, re-comb the section.
- It is recommended to periodically check the stickiness of the cement based adhesive by lifting the previously bonded floor tile.
- As a minimum leave a 2 mm joint between pieces. In the case of floor tiles, the minimum size of the joint shall be 5mm.
- Stay clear of structural joints and make thermal expansion joints, shrinkage joints, perimeter joints, corner joints, etc.
- The maximum application thickness is 5 mm.
- The time for rectifying the pieces once bonded varies depending on the weather conditions. 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.

## Supply

- 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.

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## Storage

- We guarantee that the characteristics of the product are maintained intact for one year from the manufacturing date, as long as they are stored in closed packages and at a location that is under cover and dry.

## Customer / technical service

- 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 needs and will provide the best solution for your needs.

## Remarks

- 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 our 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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