

# MORTAR FOR FLOOR SCREEDING

## BIKPLAS 2200

### Product description

- Premixed dry cement based mortar with limestone as well as silica aggregates of a selected grain size.
- This mortar can be manufactured in several strength classes:  
BIKPLAS 2200 C16 → CT-C16-F4  
BIKPLAS 2200 C20 → CT-C20-F5
- When ordered, variants are manufactured with added waterproofing agent (H), fibers (F),...
- On request, versions with sulfur-resistant cement and/or with the addition of metakaolin are also available.

### Applications

- Suitable for floor screedings with thickness  $\geq 30\text{mm}$ .

### 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 and do not add cement, sand or any other product that will modify the original formula.
- The ambient temperature during the application must be between  $5^{\circ}\text{C}$  and  $35^{\circ}\text{C}$ .
- 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.


### Supply

- In  $20\text{ m}^3$  silos, which can be refilled at the work site using tank trucks. The client may use their own pumping machinery, which must be suitable to the characteristics of the product.
- The supply will follow the General Terms of the Contract that is in force.

### Storage

- In silos the characteristics of the product are maintained intact for two months from the manufacturing date.

### Standards

	
Morteros y Revocos BIKAIN, S.A. B/Aldebarrena, no. 18 48212 (Mañaria)-Bizkaia 15 DdP No. : S4	
EN 13813 <b>BIKPLAS 2200</b> Floor screed mortar	
<b>Compressive strength:</b>	C16 ( $\geq 16\text{N/mm}^2$ ) C20 ( $\geq 20\text{N/mm}^2$ )
<b>Flexural strength:</b>	F4 ( $\geq 4\text{N/mm}^2$ ) F5 ( $\geq 5\text{N/mm}^2$ )
<b>Böhme wear resistance:</b>	Class A22
<b>Reaction against fire:</b>	Class A1

### Other technical characteristics

- **Appearance:** ..... Grey powder
- **Grain size:** ..... 0-6mm
- **Bulk density of fresh mortar (UNE-EN 1015-6):**  
.....  $2.1 \pm 0.1$  (gr/cm<sup>3</sup>)
- **Thermal conductivity:** ..... 1.35 (W/mK)
- **Theoretical yield:** ..... Approx. 19-20 (kg/cm.m<sup>2</sup>)
- **Custom tariff:** ..... 3824.50.90.00

### Usage instructions

- Prior to begin the application the concrete closure works shall be completed.
- The base over which the mortar will be applied must be clean.
- In addition to the structural joints, which must be respected, other expansion joints may be necessary, such as on the perimeter of the work area or when dividing the screed in different sections due to work organization.

- To prevent cracking, the screed shall not be exposed to sunlight and airflows shall be avoided for at least the first 24 hours after it is poured.
- The screed must air dry and avoid any dirt caused by plasters, paints, greases, etc...
- The working area may be accessed 24 hours after the mortar is poured. After three days, loads may be placed over the flooring.
- As a guide the screed drying time is calculated as one day per millimetre of thickness, although this time depends on different factors such as the thickness of the applied layer, the weather conditions, ..
- Prior to begin the application the concrete closure works shall be completed.

### Laying on pavements

- BIKPLAS mortar must always be cladded. Depending on the final usage, the floor tile may be: ceramic, marble, parquet that is glued, floating or over battens, carpet, paint, resins, PVC, etc.
- In all cases the supplier and/or installer must check the suitability of the screed regarding the different floor tiling requirements (humidity, tensile strength, ...).
- Prior to installing any floor tile, the surface may need to be treated such as for example by applying a primer, installing an impermeable membrane, etc., always following the recommendations provided by the floor tile supplier.

### 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.*

July 2023

### MORTEROS Y REVOCOS BIKAIN, S.A.

Aldebarrena, 18 – 48212 Mañaria (Bizkaia)

+34 946 202 496

www.bikain.com

info@bikain.com

