

PUMPED MORTARS FOR FLOOR SCREEDINGS

BIKSOL 2003 P5/P7/P12/P16/P20

Product description

- Premixed dry mortar based on cement, limestone sand with a selected grain size and chemical additives.
- This mortar can be manufactured in several strength classes:
 - BIKSOL 2003-P5 → CT-C5-F2
 - BIKSOL 2003-P7 → CT-C7-F2
 - BIKSOL 2003-P12 → CT-C12-F3
 - BIKSOL 2003-P16 → CT-C16-F4
 - BIKSOL 2003-P20 → CT-C20-F5
- When ordered, variants are manufactured with added fibres (F), waterproofing (H), ...

Applications

- Suitable for floor screedings subjected to light loads with thickness $\geq 30\text{mm}$.
- To be clad with ceramic tile or non-adhered floor tile such as floating parquet flooring.

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 3,5-4,5 liters/sack depending on the strength class) 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 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.

Supply

- In 20 and 24 m^3 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 (Pallets of 1500 Kg).
- The supply will follow the General Terms of the Contract that is in force.

Standards

<div>CE</div>				
Morteros y Revocos BIKAIN, S.A. B/Aldebarrena, no. 18 48212 (Mañaria)-Bizkaia 12 DdP No. : S1				
EN 13813 BIKSOL 2003 P5/P7/P12/P16/P20 Floor screed cement mortars				
Compressive strength (N/mm²):				
C5 ≥5	C7 ≥7	C12 ≥12	C16 ≥16	C20 ≥20
Flexural strength:				
F2 ≥2	F3 ≥3	F4 ≥4	F5 ≥5	
Böhme wear resistance:			Class A22	
Reaction against fire:			Class A1	

Other technical characteristics

- Appearance:**..... Grey powder
- Grain size:**..... 0-2mm
- Water % (consistency of 175 ± 10 mm EN 13454-2):**
..... 15-17%
- Bulk density of fresh mortar (UNE-EN 1015-6):**
..... 1.9 ± 0.1 (gr/cm³)
- Maximum thermal expansion:** 0.2 (mm/m)
- Maximum shrinkage:** 0.6 (mm/m)
- Thermal conductivity:** 1.35 (W/mK)
- Theoretical yield:** Approx. 20 (kg/cm.m²)
- Custom tariff** 3824.50.90.00

Usage instructions

- Add the recommended water and mix manually or mechanically until a homogeneous consistency is achieved.

- Prior to begin the application the concrete closure works shall be completed.
- The base over which the mortar will be applied must be clean.
- The structural joints must be respected and it is advisable to make expansion joints every approx. 50m² of surface.
- 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...
- 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, ...

Bonding of cladding

- Screedings with BIKSOL must always be cladded.
- The cladding supplier and/or installer must check the suitability of the screed regarding the different floor tiling requirements (humidity, tensile strength, ...).

Storage

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

- 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

