

# akurit FM-S

Brick slip slurry grout mortar

## mineral grout mortar

- for joint width of 4 – 15 mm
- with accelerated (abbreviated) curing
- water-repellent



## Applications

- for grouting on brick slip with glazed and/or closed pore surface
- for AKURIT brick slip thermal insulation composite systems
- AKURIT FM-S gr natural stone for application in ETICS with slate cladding
- for external and interior use

## Properties

- mineral
- weatherproof and frost proof after hardening

## Composition

- cement in accordance with DIN EN 197-1
- graded stone aggregates in accordance with DIN 13139
- additives for regulating and improving workability and product properties
- in case of coloured material: weather-resistant inorganic pigments

## Substrate

### Condition / Testing

- For carrying out the grouting work, the provisions of VOB Part C apply.
- In order to rule out discolourations, the substrate must be well dried out and be at least 7 days old before grouting.
- The joints being sealed must be sufficiently deep (at least the thickness of the covering) and be scraped out with neat edges. Unevenly deep joints can lead to uneven, patchy drying of the grout mortar.

### Pretreatment

- Absorbent coverings must be pre-wet before being grouted.

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## Processing

### Temperature

- Do not process or allow to dry out at air, material or substrate temperatures below +5°C, or if there is a risk of exposure to night frost, or at temperatures above +30°C, or in direct sunlight, or on heated up surfaces, and/or in windy conditions.

### Mixing / Preparing / Processing

- Mix with clean tap water to a slurry consistency. To do so, put some water in a clean mixing container, sprinkle in dry mortar, blend the mixture homogeneously and without lumps by hand or with an agitator, allow to rest briefly and adjust to a consistency ready for processing by adding more water if necessary.
- Always mix the mortar with the same water content, as adding different amounts of water can lead to a different coloured joint pattern or patches.
- Do not add more water during processing as this can cause colour variations.
- Do not mix with other products and/or other substances.

### Applying / Processing / Assembling

- Slurry the grout diagonally to the course of the joint with a suitable hard rubber board or foam rubber grout board flush with the surface.
- After sufficient tightening of the mortar (finger test), wash off excess material with a firm and slightly damp sponge or sponge board diagonally to the joint line without washing out the joint surface.
- Polish the covering with a dry cloth afterwards.

### Processing time

- approx. 30 minutes
- The stated times apply for a temperature of +20°C and relative humidity of 65%.
- Mortar that has already started to harden must never be thinned down with additional water, remixed or applied.

### Drying / Hardening

- Protect the fresh mortar from drying out too quickly and from unfavourable weather conditions such as frost, draughts, direct sunlight and direct exposure to driving rain if necessary by hanging with foil.

### Tool cleaning

- Clean all tools and equipment with water immediately after use.

### Notes

- Unevenly mixed material, residual moisture in the substrate or unevenly absorbent substrates and coverings as well as unevenly deep joints can lead to uneven, patchy drying of the grout.
- Due to the use of natural raw materials, the colours may also vary depending on the relevant manufacturing plant.
- Do not mix grout and V.O.R. masonry mortar from different manufacturing plants at the building.
- Optically related areas must be prepared with material from the same production batch to prevent colour differences.
- The colour is influenced by the absorbency of the substrate, the weather conditions and the working method and may therefore deviate. Subsequent deliveries should be checked for colour matching before processing.
- We therefore recommend applying a test patch first.

## Packaging

- 25 kg/sack

## Storage

- Store sacks appropriately and in dry conditions on pallets.
- If stored in its original packaging, the product will keep for at least 12 months from the date of manufacture.

## Quantity required / Yield

- consumption:
  - approx. 5.8 kg/m<sup>2</sup> in NF format
  - approx. 7.7 kg/m<sup>2</sup> in DF format
  - (joint depth 10 mm, joint width 12 mm)
- yield: app. 14 l fresh mortar per 25-kg-Bag

## Technical Data

<b>Joint width</b>	4 - 15 mm
<b>Water requirement</b>	approx. 4.0 l per 25 kg/sack
<b>Processing time</b>	approx. 30 minutes

All data are average values that were determined under laboratory conditions according to relevant test standards and application tests. Deviations are possible under practical conditions.

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## Safety and disposal instructions

### Safety

- This product produces an alkaline reaction when it comes into contact with moisture/water. Therefore ensure that skin and eyes are protected. If it should come into contact with the skin or eyes, rinse them thoroughly with water. See a doctor immediately if it comes into contact with the eyes.
- Follow further instructions in the safety data sheet.

### GISCODE

- ZP1 (products containing cement, low-chromate)

### Disposal

- Dispose of the material in accordance with the official regulations.
- Completely empty and recycle the packaging.
- Dispose of hardened product in accordance with the local regulations. Do not allow to enter the sewer system. Dispose of the hardened product in the same way as concrete waste and slurries. Waste code according to the Ordinance on the European Waste Catalogue depending on the origin: 17 01 01 (concrete) or 10 13 14 (concretewaste and concrete slurries).

## General notes

This information sheet provides only general recommendations. Should you have any queries relating to a specific application, please contact our technical sales advisor or call our hotline: +49 541 601-601. Since natural raw materials are used, the values and properties described may vary somewhat. All of the details given are based on our current knowledge and experience and on the assumption that the materials are professionally applied and used for their normal purpose. All of the details are non-binding and do not release users from their duty to undertake their own tests to ensure suitability for the intended application. Due to the effects of different weather, processing and construction site conditions, no guarantee can be given for the general validity of all details. We reserve the right to make changes as a result of further development of the product and applications engineering. The general rules for construction engineering, the valid standards and guidelines, and the technical working guidelines must be observed. The publication of this technical data sheet renders all previous editions of this data sheet void. Please obtain the latest information from our website.