



BUILD – RENOVATE – REPAIR

## FFM Refractory mortar

Special mortar with thermal expansion behaviour matched to fire bricks



### TECHNICAL INFORMATION

Grain	0 – 1 mm
Colour	grey
Processing temperature	+5°C up to +35°C
Processing time	approx. 30 – 60 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.

### PROPERTIES

- Thermal expansion behaviour adapted to common fire bricks
- temperature resistance: 1000 °C
- weather and frost resistant after hardening
- excellent adhesion
- good workability

### APPLICATIONS

- for laying fireproof bricks
- for the lining of fireplaces and heating gas flues
- for repairing stoves, ovens and chimneys of any kind
- for repairing minor damage to refractory linings
- for inserting wall linings
- for external and interior use

### QUALITY

- quality-monitored
- high-quality binders according to DIN EN 197-1
- mineral aggregates in favourable composition
- low-chromate

### SUBSTRATE

The substrate must be load-bearing, dry and free from dust, formwork oil or other release agents. If necessary, clean or remove loose parts. To assess the substrate, the instructions in the German Construction Contract Procedures (VOB) Part C, DIN 18350 and DIN 18550 must be observed.

When bricklaying, pre-water fire bricks or similar absorbent stones.

### PROCESSING

Do not process at air, material and substrate temperatures below +5 °C.

quick-mix refractory mortar is to be mixed with clean water to form a plastic, supple mass. The water should be added to the dry mortar and not vice versa. Care should be taken to ensure that only clean vessels and tools are used. If the material is used for bricklaying refractory stones, mix with a water quantity of 225 ml/kg. When used as patching material for smaller damaged areas, the water requirement must be reduced to 175 ml/kg.

Process mixed mortar within one hour.

The fresh masonry work must be protected from unfavourable weather conditions such as very high and very low temperatures, frost, draughts, direct sunlight and driving rain (by covering with a plastic sheet, for example). If heating is not too fast, the bricked, repaired area can be put into operation after 12 hours, otherwise after 24 hours.

Clean all tools and equipment with water immediately after use.

### WATER REQUIREMENT / YIELD

Bag	Water requirement	Yield
2 kg/bag	approx. 0.4 l	approx. 1.2 l
5 kg/bag	approx. 1.0 l	approx. 3.0 l



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### CONSUMPTION

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consumption: depending on brick size and application

### STORAGE

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Store dry and as per instructions.

### PACKAGING

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- 2 kg/bag
- 5 kg/bag

### DISPOSAL

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Completely empty and recycle the packaging.

### NOTE

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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.

The statements are made based on extensive tests and practical experiences. They cannot be applied to every application case. Therefore, we recommend carrying out application trials if necessary. Subject to technical changes in the course of further development. Furthermore, our General Terms and Conditions of Business apply.

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**EMERGENCY NUMBER: +49 551 19 240**

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