



## Building & Repair Mortars

# ISOMIX FIRE BRICK

Technical Data Sheet

Reviewed: 06.06.2015



### DESCRIPTION

**ISOMIX FIRE BRICK** is a specially formulated fireproof, cement-based, adhesive for bonding and grouting firebricks. It contains high strength fireproof cement, fine quality quartz aggregate, special additives and resins, which offer excellent strength and resistance to high temperatures and extensive temperature changes. It presents high adhesion strength, moisture resistance and excellent workability. It is suitable for interior and exterior use.

### ADVANTAGES

- Excellent quality of raw materials
- Excellent resistance to high temperatures (+1400°C)
- Excellent moisture resistance
- Excellent adhesive strength
- Excellent workability
- Exterior and interior use
- Easy, clean and fast application

### APPLICATIONS

- Suitable for fixing and grouting all kinds of firebricks in places where high temperatures are reached such as fireplaces, wood ovens, stoves, chimneys, barbeques etc.
- It is also suitable for repairing damaged mortar joints and firebricks.

### INSTRUCTIONS FOR USE

#### Substrate preparation

1. Make sure that substrates and firebricks are clean and free of oily residues, dust, dirt, paints etc.
2. For temperatures over 30°C firebricks must be thoroughly dampened prior to application

#### Mixing instructions

1. Add 1kg of water in a clean bucket and add gradually, under constant stirring, 5kg of **FIRE BRICK**.
2. Using a low speed electrical mixer stir well until a uniform viscous mixture with the desired workability is formed.

3. The working time of the mixture is 1,5 - 2 hours. Periodical stirring is advised avoiding the addition of more water.

### Application

1. The mixture should be applied uniformly on the surface using a spatula- trowel. Use plastic or metallic spacers for joint formation.
2. Use the same adhesive for grouting, applying the material with a trowel or the Pointing gun Mercola. Smooth the surface with a thin trowel or blade.
3. Remove any excess material using a wet sponge before the final curing.

### CLEANING

Remove as much material as possible from tools before cleaning. Clean all equipment immediately after use with soapy water.

### REMARKS

- For outdoor applications or at high ambient temperatures, repeated dampening of the grout with a sponge is recommended in order to avoid fast drying.
- The fireplace or oven is ready for use within 7 days.

### COVERAGE

Consumption depends on the dimensions of the firebrick and the width of joint. A rough indication of consumption for a fireplace or a barbeque is 50 – 60 kg of dry mix.

### TECHNICAL CHARACTERISTICS

**Form:** Gray cement-based powder

**Grain size:** 2mm

**Application temperature:** +5°C to +35°C

**Moisture resistance:** Excellent

**Temperature resistance:** up to +1400°C

### STORAGE

Store in dry and cool storage conditions at temperatures 5°C-30°C. Protect from moisture, frost and direct sunlight.

### SHELF LIFE

At least 12 months in the above mentioned storage conditions. Products should remain in their original unopened sealed bags, bearing the manufacturers batch number.

### PACKAGING

Bags 5kg

PACKAGING	CODE	BARCODE
5kg	01758	5204094017585

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#### HEALTH AND SAFETY INFORMATION



**H315** Causes skin irritation **H317** May cause an allergic skin reaction **H318** Causes serious eye damage **H335** May cause respiratory irritation **P102** Keep out of reach of children **P271** Use only outdoors or in a well-ventilated area **P280** Wear protective gloves / protective clothing / eye protection / face protection **P305 + P351 + P338** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing **P310** Immediately call a POISON CENTER or doctor **P302 + P352** IF ON SKIN: Wash with plenty of water and soap **P333 + P313** If skin irritation or rash occurs: Get medical advice/attention **P261** Avoid breathing dust / fume / gas / mist / vapours / spray **P304 + P340** IF INHALED: Remove person to fresh air and keep comfortable for breathing **P312** Call a POISON CENTER or doctor if you feel unwell **P362 + P364** Take off contaminated clothing and wash it before reuse **P501** Dispose of the contents/container in accordance with the current legislation on waste treatment **EUH208**: Contains cement portland, chemicals. May produce an allergic reaction. Substances that contribute to the classification: cement portland, chemicals

The directives contained in this technical data sheet are the result of our long experience from real life applications and the research testing of our research and development laboratory and have been submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible applications, which are beyond our control, we cannot accept any responsibility for the results obtained. In every case it is recommended to carry out preliminary experiments. We are liable only for our products for being free from faults and of consistent quality. Users are responsible for complying with local legislation and for obtaining any required approvals or authorizations. The present edition of this technical datasheet automatically cancels any previous ones concerning the same product.



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