

Fire Mortar Mix

High-Performance Fire Mortar



DESCRIPTION

Fire Mortar Mix is a high-temperature, high-strength mortar designed to withstand 1500–1800°C, making it suitable for most extreme heat applications. It builds strength rapidly, cures quickly, and provides an exceptionally durable, low-shrinkage, heat-resistant barrier.

It is ideal for furnace and oven construction, incinerators, fire-brick repairs, and engineering applications where high-temperature resistance and compressive strength are essential.



KEY FEATURES

- Withstands 1500–1800°C
- Very high compressive strength
- Extremely low shrinkage
- Rapid set: 1–1.5 hours at 16°C
- Builds early strength
- Trade-quality, engineered for performance
- Suitable as a packing grout and for marine environments
- Ideal for high-heat repairs and structural work



Mastermix Ltd. 21R Bergin Rd, Foxton
Ph 06 363 5686

E mail: mastermix@mastermix.co.nz

HEALTH AND SAFETY

Fire Mortar Mix is a cement-based product containing no additional aggressive chemicals.

Wear suitable PPE including gloves, dust mask, and eye protection during use.

Refer to packaging for full Health & Safety information.

APPLICATION

Directions for Use

Mix 150 mL of clean potable water per 1 kg of Fire Mortar Mix.

- Do not add excess water.

Mix thoroughly to an even, uniform consistency. Once placed, do not rework the mortar. At 16°C, the mortar will set in 1 to 1.5 hours.

For cracks & breakouts:

- Pour mixture into cracks to level, then leave to cure.

For corroded surfaces:

- Pour onto area and squeegee to evenly coat the surface.

Maintain recommended temperatures (7–25°C) during mixing and curing.

Conditions of Use

Use only in temperatures between 7°C and 25°C. Water content directly affects curing time and strength.

Keep material protected from moisture before use.

PACKAGING AND STORAGE

Supplied in 20kg pails and 30 kg weatherproof bags.

Shelf life: Approx. 3 months when stored in cool, dry conditions.

Keep dry and protected from moisture.

TECHNICAL DATA

Compressive Strength	<ul style="list-style-type: none">• 3 days: 53.0 MPa• 28 days: ≥70.0 MPa
Temperature Resistance	1500–1800°C
Water Requirement	150 mL per 1 kg product
Suitable Temperature Range	7°C – 25°C
Set Time	1–1.5 hours at 16°C
Shrinkage Rate	Extremely low
Material Type	High-temperature refractory mortar
Standards Compliance	Meets NZS 4210:1989

DISCLAIMER

Technical details and recommendations are based on our best knowledge and experience. The user must ensure suitability for the specific project before application, and is fully responsible for the product's use and its consequences.



Contact our Technical Department for further information and expert guidance on your application.

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