

# FIRE RATED MORTARS

## For Wall & Floor Penetrations



Sandersfire International manufactures a unique and comprehensive range of high quality fire-stopping mortars under the 'Firecrete' trade name.

Sandersfire Firecrete mortars are dry blended, from high quality gypsum plasters, carefully graded natural and processed fire resisting aggregates, and additives, to give excellent fire resistance, combined with ease of mixing, versatile workability range, high strength and exceptional acoustic performance.

The controlled expansion develops a compressive membrane action, within rigid boundaries, resulting in excellent load bearing capability, without the need for steel reinforcement, in other than exceptionally large openings.

### Tested & Approved to:

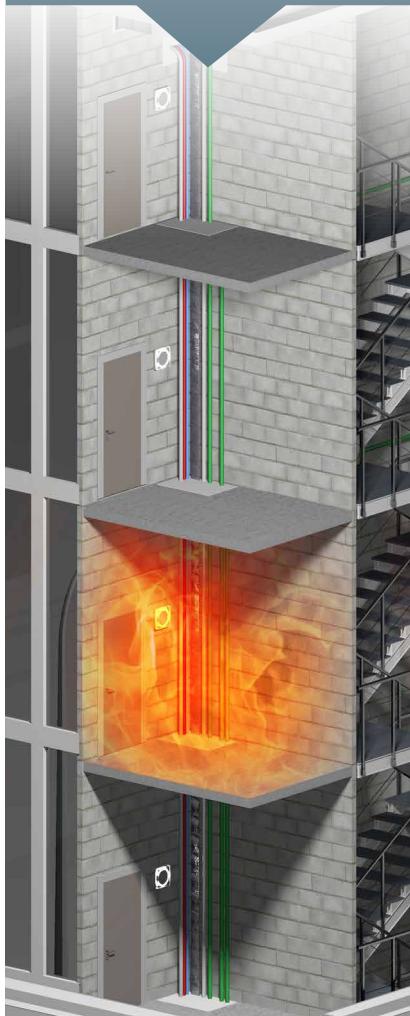
- ✓ EN1366-3 2009
- ✓ BS476 p20, 1987
- ✓ ASTM E814
- ✓ ISO 9001:2015



- ✓ Non-Shrinking, gas tight seals  
Mixed with water, Firecrete is trowelled or poured into wall or floor penetrations around services to stop the passage of flame, smoke and toxic gases
- ✓ Excellent workability ranging from stiff to pourable consistency  
Fully set within 2-3 hours
- ✓ Load bearing performance in floor seals  
High compressive and flexural strength



**FIRECRETE**  
Properly sealed wall and floor penetrations eliminating fire



# High quality mortars with unique fire-stopping capabilities

All Firecrete mortars have undergone extensive structural, acoustic and fire testing at independent test laboratories, to internationally recognised British, European and US standards.

Firecrete EN HS mortar has passed the onerous 4-Hr ASTM Fire and Hose Stream test and Firecrete EN STD is UL listed (Underwriters Laboratories). Both mortars are CE marked and LUL approved. (LUL – London Underground Limited)

Sandersfire International's Firecrete products are manufactured in accordance with ISO 9001:2015 Quality Assurance Certification



For general sealing applications such as wall penetrations and non load bearing floor penetrations.



For load bearing floor openings and around unsupported dampers.

## Firecrete characteristics & properties

**Load Bearing Floor Seals** - Firecrete EN HS enables the finished seal to support considerable loads, over quite large spans, without the need for steel reinforcement.

**Wall Penetrations** - All Firecrete mortars can be mixed and trowelled into a vertical opening, and worked around services without slumping. They can also be cast into blocks for building into larger openings, using a stiff mix of the same mortar as bedding.

### Load Bearing Seals around Unsupported Fire Dampers

- The excellent crushing strength and shear resistance of a Firecrete EN HS seal ensures that the installation frame will be retained in the wall or floor.

### Yield

Number of 20kg bags per m<sup>2</sup> at 100mm thick

Firecrete Type	<b>EN STD</b>	<b>EN HS</b>
No. of Bags	4	6

**Packaging & Storage** - Supplied in 20kg bags which must be stored in dry conditions. Shelf life, in unopened bag, at least 6 months.

**Customer Service** - For additional technical help, or to obtain copies of our structural and fire test reports, please contact our Technical Department.

Sandersfire International will not be held responsible for failure of the product to perform, nor for any claim in respect of health and safety, if the product is not installed strictly in accordance with our instructions, guidance and warning notes.

## Preparation & Application



Add Firecrete powder to clean water using the correct ratio.



Mix the powder and water using a hand or power mixer until a smooth consistency is achieved.



Trowel / Pour the mixture into the wall / floor penetration.



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