

Bostik Bostik FP370 Fireseal Mortar

GYPSUM BASED FIRE RETARDANT MORTAR



Product Description

Bostik FP370 Fireseal Mortar is a dry white powder consisting of inorganic compounds and perlite. When mixed with water, the compounds form a highly thermally insulating fire sealing compound to prevent the spread of fire and smoke through openings in fire rated walls and floors, including openings formed around building service penetrations. Bostik FP370 Fireseal Mortar expands approx. 1% by hydraulic action during curing ensuring a very tight seal around the service penetrations and the surrounding opening apertures. Bostik FP370 Fireseal Mortar is easy to sand or drill. The compound dries to an off-white colour which may be painted if required. Bostik FP370 Fireseal Mortar will also maintain the acoustic design performance in walls and floors. The product is certified for use in walls but it is recommended to use Bostik FP320 Fire Batts for these applications.

Benefits

- CE-marked
- Easy to apply
- Up to 4-hour fire resistance
- High sound insulation
- Certified to the latest European standard EN 1366-3
- CE Marked to ETAG 026-2
- Fire resistance up to 4 hour
- The fire performance specification of the compound has been derived when the seal has been left to cure for 1 month
- Classified in walls and floors of concrete, brick, gypsum etc.
- Suitable for cables, bundled cables, cable racks, cable trays, steel, copper, alupex, plastic pipes and air ventilation ducts
- High degree of mechanical resistance; the seal is load bearing without reinforcement

- No priming necessary prior to application in most building material substrates however metal services in contact with the seal must be corrosion protected
- Easy to apply leaving a very smooth finish
- Fully set within 1 hour

Applications

The intended use of Bostik FP370 Fireseal Mortar is to reinstate the fire resistance performance of flexible wall, rigid wall and floor constructions where they are penetrated by various cables and metallic pipes. Suitable for most surfaces, included concrete, bricks, Leca, steel, plastic etc, but not suitable to fitting of doors or in service openings that involve movement.

Directions Of Use

1. Ensure the faces of the aperture opening are free of dust and any other contaminants. The faces may be moistened for better adhesion.
2. If the mortar seal is required to be load bearing, please see page 2 on this Technical Data Sheet.
3. Bare metal pipes passing through the seal must be protected against corrosion using a suitable primer/ protection system.
4. When sealing drywalls the mortar should be flush with the surface of the wall on both sides.
5. When sealing masonry or concrete constructions, the seal can be positioned to either side of the construction or anywhere in between.
6. When installing Bostik FP370 Fireseal Mortar in hollow floor slabs or boards, level the fire seal with the soffit side. Ensure there is sufficient thickness of concrete below the void for the depth of mortar. Where this is not the case, tubular voids should be filled with stone wool normally the same thickness as the depth of the floor slab. Alternatively, simply fire seal on both sides.
7. Install a stone wool shutter board where is necessary to achieve the required thickness of mortar. Make sure that this achieves a very tight seal – any small openings should be sealed with Bostik FP310 Intumescent Acoustic Acrylic.
8. Pour clean water into a suitable mixing vessel and add the mortar to obtain the required consistency. Mix steadily at low speed and ensure that any lumps of powder are fully dispersed. Always add the mortar to the water, do not reverse this mixing process.
9. Once the desired consistency is achieved pour or trowel the mortar onto the shutter board making sure that it flows into all corners and around services. Apply a firm pressure to the mortar to eliminate any trapped air bubbles. Build up to the required depth. Mixing instructions The following mixing ratios (by volume) of dry powder to clean water are recommended: Mix type Volumes of dry powder to water Pouring/ casting 2:1 Trowel grade 3 to 4:1 Before application consult the

Bostik Benelux B.V

Denariusstraat 11, 4903 RC Oosterhout, The Netherlands
Phone: +31 (0)162491000, E-mail: info@bostik.com
www.bostik.com | www.denbraven.com

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installation instructions and ETA to ensure to achieve the intended fire resistance. **LOADBEARING PROPERTIES (FLOORS)** Bostik FP370 Fireseal Mortar has been subject to concentrated load and impact tests in floors according to ETAG 026-2 and EOTA TR001 Clause 2. The tests were conducted on the minimum allowed cast depth of 100 mm. According to the loading limits in the table below, reinforcement is not necessary, however it is highly recommended that the edges of the aperture are brushed free of any dust or loose particles and that any contamination is washed away using clean water. Moistening the edges well before casting will improve adhesion. Bostik FP370 Fireseal Mortar should not be cast in surface treated concrete. The mortar must be mixed to a thick but fluid mass at a rate of approx. 2 parts of powder to 1 part water. Maximum loadbearing performance will be achieved 28 days after casting. Test results: (Test in 1500x1000mm frame) - Soft body impact, serviceability: 500Nm - Soft body impact, safety in use: 700Nm - Hard body impact, serviceability: 6 Nm - Hard body impact, safety in use: 10 Nm - Concentrated load to ETAG 26-2: 15 kN

Additional information

Base		Gypsum based mortar
Curing time		Less than 1 hour depending on the local climate
Density		About 900 kg/m ³ after full cure
Fire behaviour	EN 13501-1	Class A1
Flash point		None

These are typical values

Limitations

- Should not be used in permanently damp areas
- Suitable for use with most materials, but should not be used in direct contact with bituminous materials

Surface Preparations and Finishing

Cleaning

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Colour(s)

- Off White

Packaging



- Bag

For product specifications, please refer to the Product Detail Page

Shelf Life

Shelf life of 12 months for bags stored in unopened enpackaging in dry conditions between +5 and +30°C.

Certifications

	A+ French VOC Regulation
	Emicode EC1 Plus
	EN 1366-3

Health & Safety

Product Safety Data Sheet must be read and understood before use. These are available on request and via our websites

Warranty & Guarantee

Bostik warrants that its product complies, within its shelf life, to its specification.

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for damage whatsoever. All deliveries are made exclusively in accordance with our general terms of conditions which have been filed at the Dutch Chamber of Commerce.

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