

# Gyproc® Fire Mortar

## Product Data Sheet



Gyproc Fire Mortar is a gypsum-based compound suitable for areas where there are multiple penetrations or where a load bearing seal is required. When combined with water, the compound forms either a trowel-applied paste or a pourable mortar, ideal for sealing around multiple service penetrations in floor applications. As it cures, the mortar expands to create a secure, tight seal against the surrounding substrate.

### Where to use

Tested to reinstate the fire resistance performance of flexible/rigid walls and rigid floor constructions where they are penetrated by service penetrations. Can be used to provide a load bearing seal in rigid floors that can accommodate light foot traffic for maintenance purposes.

### Application

Suitable for firestopping service penetrations:

- Cables, bundled cables, cable trays
- Metal pipework
- Plastic pipework

In load-bearing floors, wall penetrations in rigid/flexible walls.

### Technical properties

#### Composition

Dry white powder consisting of inorganic compounds and perlite.

#### Colour

Off-White.

#### Curing time

Time taken to cure will be dependent on thickness and local environmental conditions.

Gyproc Fire Mortar would be expected to set in less than 1 hour and will be fully cured within 30 days. Gyproc Fire Mortar is capable of accommodating light foot traffic in approximately 72 hours.

### Performance

Here we only provide performance information related to the product.

<b>Fire resistance</b>	Up to 4 hours*
<b>Tested to</b>	BS EN 1366-3 Fire resistance tests for service installations - penetration seals
<b>Classification</b>	According to BS EN 13501-2- Up to EI 240*
<b>UKTA</b>	0843-UKTA-25/0027 (Penetration Seals)
<b>EAD</b>	350454-00-1104 (Penetration Seals)
<b>Reaction to fire</b>	Euroclass A1 According to BS EN 13501-1
<b>Application temperature</b>	+5 °C to +30 °C
<b>Flexibility</b>	Not suitable for use in service openings that involve movement
<b>Working life</b>	25 years

\* Check Standard Details for application information

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### Sitework

#### Packaging overview

20 litre bag.

#### Storage

Store unopened in a dry place. Store in temperatures between +5 °C and +30 °C.

#### Shelf life

Up to 18 months.

#### Handling

British Gypsum fully accepts its responsibilities as a supplier of building materials and systems as required by Section 6 of the Health and Safety at Work etc. Act 1974. To reduce manual handling risk, employers and workers should follow HSE's Manual Handling Operations Regulations 1992 (MHOR) and the HSE's guidance on manual handling at work (INDG143). Employers should carry out a risk assessment and implement control measures to avoid or minimise the need for manual handling. Workers should follow safe lifting and moving techniques and report any hazards.

#### Tools required

- Paddle mixer
- Measuring jug or container
- Mixing bucket
- Trowel
- Float trowel
- Insulation knife or saw

#### Ancillary products

- Gyproc Fire Batt
- Gyproc Acrylic Fire Sealant

### Environmental

#### Recyclability

This product cannot be recycled.

#### Disposal

Waste should be disposed of in accordance with local authority requirements.

### Yield

Approx. 3.42 bags per m<sup>2</sup> @ 50 mm depth.

Approx. 6.83 bags per m<sup>2</sup> @ 100 mm depth.



### Installation guidance

#### Application

Gyproc Fire Mortar is suitable for applications in rigid floors where there are multiple services and for walls where a robust seal is required.

Before applying the compound, appropriate shuttering should be installed to provide a backing surface. This may consist of a sacrificial shutter batt or board.

Ensure all substrates are clean and free from contaminants. Lightly moistening the surface can help improve adhesion. Gyproc Fire Mortar can be mixed to a thick consistency for trowel application or to a thinner, pourable form for sealing around multiple service penetrations.

Bare metal pipes should be treated with a suitable primer or protective system to prevent corrosion.

When applied at a minimum thickness of 100 mm, the mortar forms a load-bearing seal capable of supporting light foot traffic for maintenance access.

#### Limitations of use

Please refer to the Gyproc Firestopping Installation Guide for limitations of use.

Should not be used in permanently damp areas or in moving joints.

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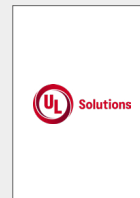
### Supporting Documents



Safety Data Sheet (SDS)



Install Guide and Video



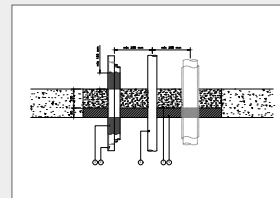
UK Technical Assessments (UKTA)



Declaration of Performance (DoP)



Certificate of Conformance (CoC)



Standard Details

**SAINT-GOBAIN**

**British Gypsum**  
Head Office, East Leake,  
Loughborough,  
Leicestershire, LE12 6HX  
T: 0115 945 1000  
british-gypsum.com

	ISO 9001 Quality Management	ISO 45001 Occupational Health and Safety Management	ISO 14001 Environmental Management	ISO 50001 Energy Management
	FM550533	OHS550586	EMS543324	ENMS606206

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