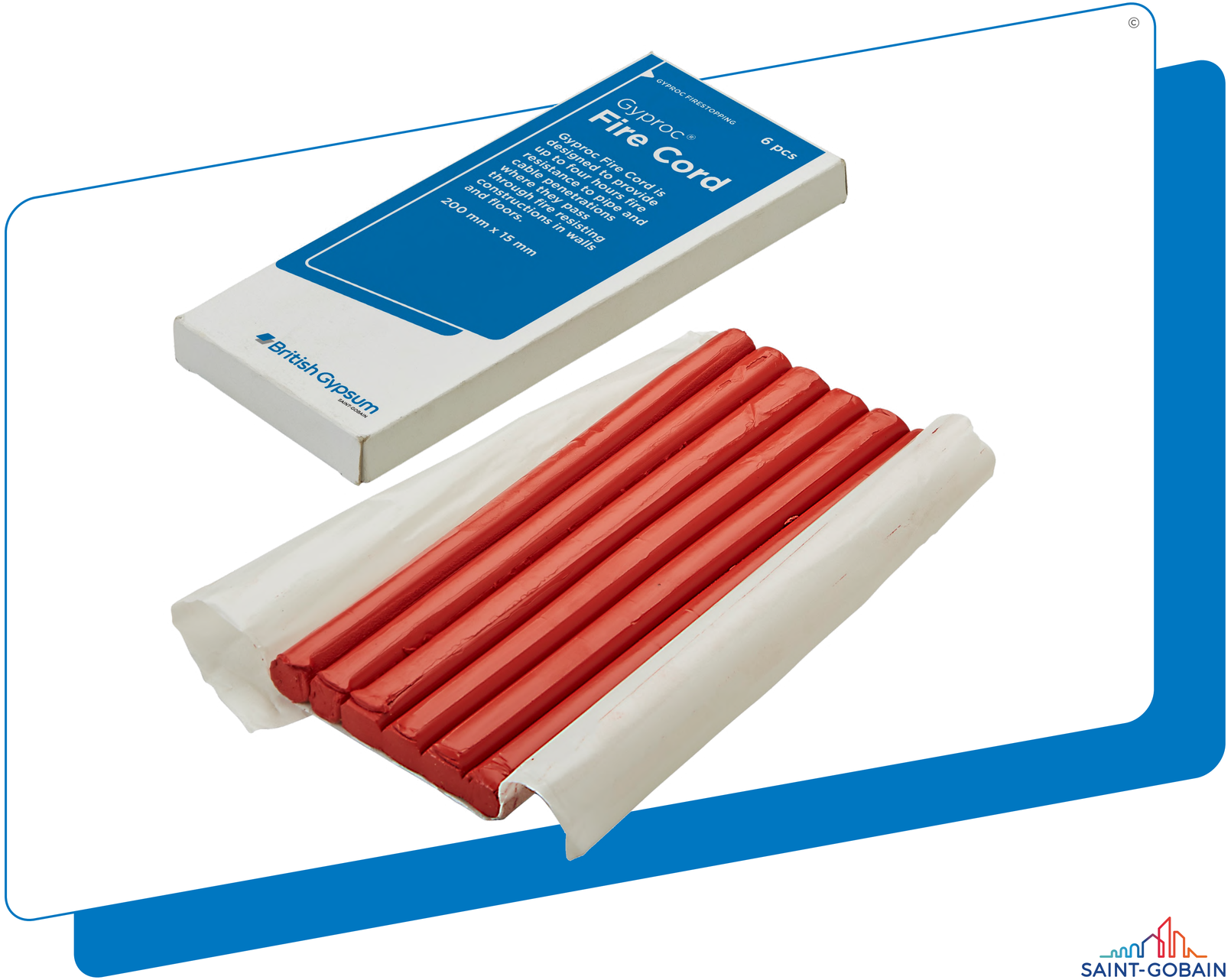
British Gypsum
SAINT-GOBAIN

GYPROC®
FIRE CORD

Installation Guide



Installation images shown are from a benchmark application of firestopping products, and do not reflect on-site conditions.

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Gyproc® Fire Cord Installation Guide

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Typical applications

The Gyproc Firestopping range delivers trusted passive fire protection across a variety of applications.

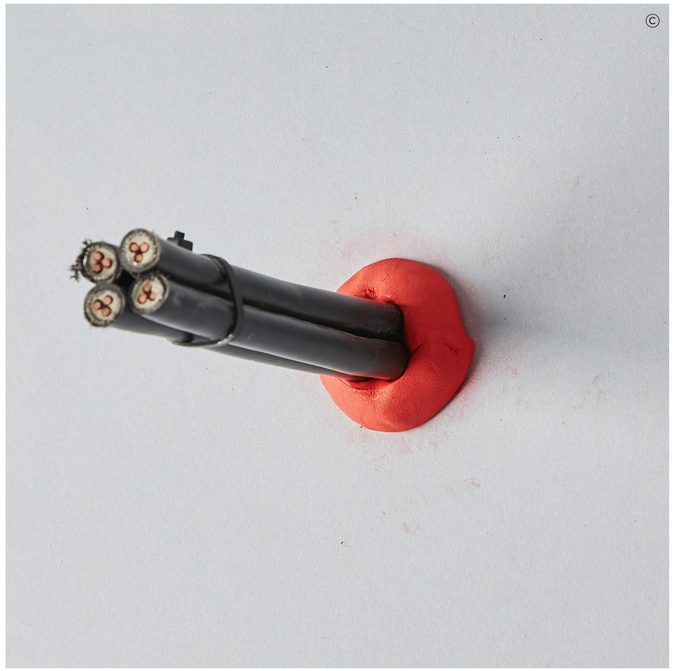
Backed by a comprehensive suite of test data, each product is designed to meet rigorous performance standards. This guide outlines installation best practices to ensure reliable firestopping and compliance with certified system requirements.

For illustrative purposes only

Gyproc® Fire Cord Installation Guide

Introduction

Gyproc Fire Cord is designed to provide up to four hours fire resistance (dependent on application), to metal and plastic pipe penetrations and cables where they pass through fire resisting constructions in walls and floors. Gyproc Fire Cord is manufactured from a flexible silicone-based intumescent polymer with a low smoke emission.



Gyproc Fire Cord is easy to apply, flexible and re-workable due to its non-setting properties.

In a fire situation, Gyproc Fire Cord will activate and expand to fill small annular spaces or voids left by combustible services.

Gyproc Fire Cord is designed to be easily installed around service penetrations.

It is particularly suited to situations where the annular space is minimal, or where restricted gaps make it impractical or difficult to install backing material to the correct depth for use with a sealant.

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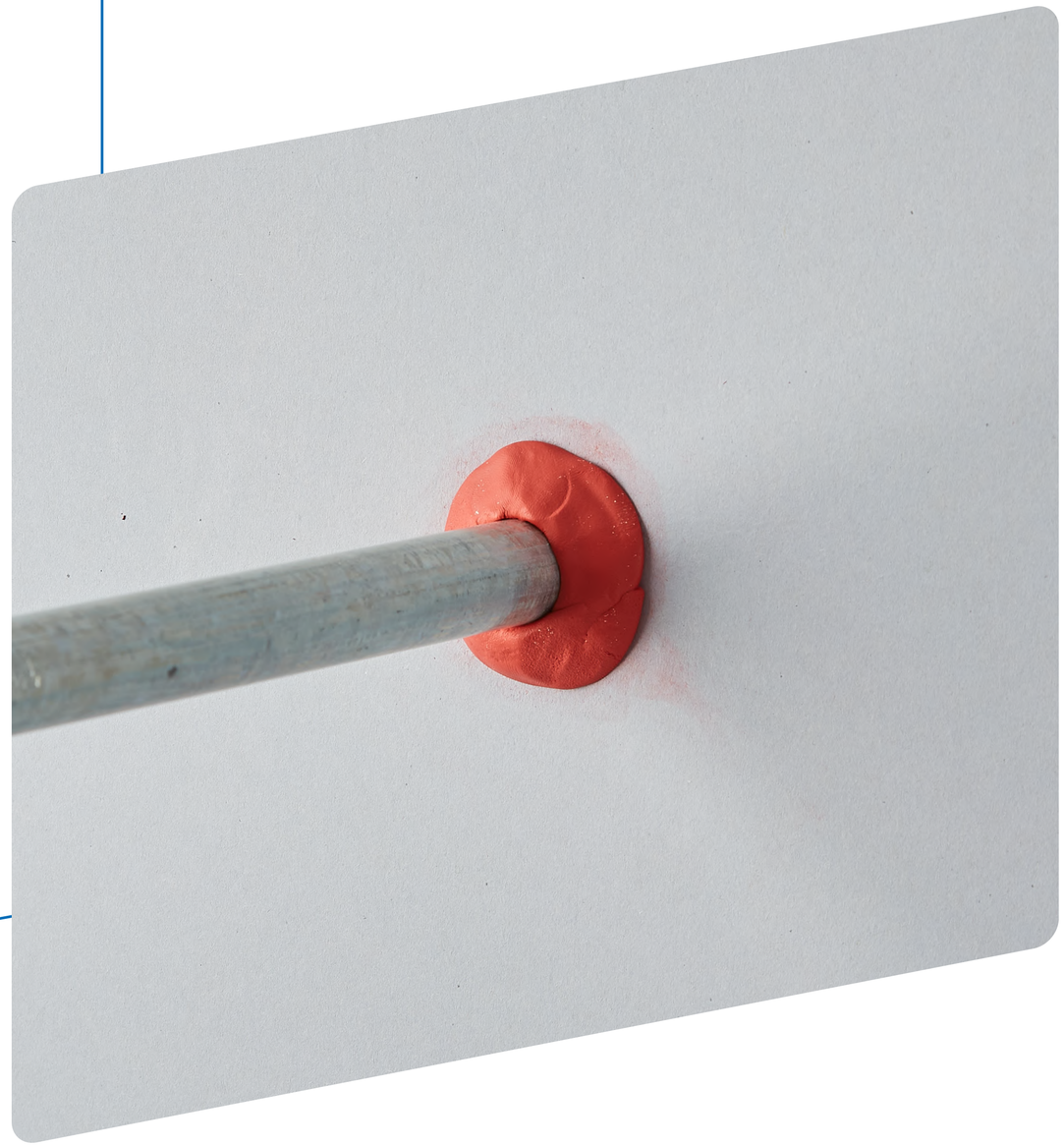
Properties

- Quick to install – simply mould to shape and press into the space around the service penetration
- Prevents penetration of both cold and hot smoke
- Self-adhesive and no tools required
- Unaffected by moisture; can be used in wet rooms
- Remains flexible ensuring a secure fit
- Mouldable by hand
- Tested for air permeability up to 1,000 Pa
- Does not contain solvents
- Contains a low pressure intumescent for optimal fire protection
- The SpecSure® Warranty covers British Gypsum Gyproc® Firestopping within new build British Gypsum and Isover partition Systems, performing as specified with a working life of 25 years*.

SpecSure®
SYSTEMS WARRANTY



* The provisions made in the United Kingdom Technical Assessment for Gyproc Firestopping are based on an assumed working life of 25 years, provided that the conditions laid down in the manufacturers datasheet and instructions for the packaging/transport/storage/installation/use/repair are met. See SpecSure® Firestopping Insert for full details here: british-gypsum.com/SpecSure

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General guidance

Tools required

- Sharp knife

Health and Safety

- The mechanical effect of fibres in contact with skin may cause temporary itching
- Cover exposed skin
- Waste should be disposed of according to local regulations
- Rinse skin in cold water before washing with soap and water
- Ventilate working area if possible
- Wear goggles when working overhead
- See the product Safety Data Sheet (SDS) for more information

Supporting constructions

Flexible walls must have a minimum thickness of 100 mm and comprise steel studs or timber studs* lined on both faces with minimum 2 layers of 12.5 mm thick boards.

Rigid walls must have a minimum thickness of 100 mm and comprise concrete, aerated concrete or masonry, with a minimum density of 650 kg/m^3. Rigid floors must have a minimum thickness of 150 mm and comprise aerated concrete or concrete with a minimum density of 650 kg/m^3.

The supporting construction must have a proven fire resistance rating established through testing in accordance with the appropriate BS EN standard for the element or have a classified performance in line with BS EN 13501-2. The fire resistance rating must be at least equal to the required fire performance.

* Timber studs: no part of the penetration seal may be closer than 100 mm to a stud, and minimum 100 mm of insulation of class A1 or A2 according to BS EN 13501-1 must be provided within the cavity between the penetration seal and the stud.

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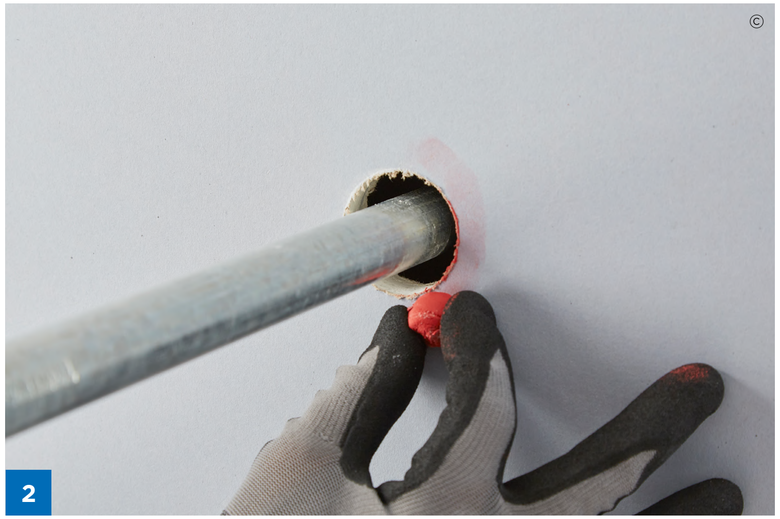
Installation

Prior to installing Gyproc Fire Cord, ensure that the surface of all service penetrations and surrounding construction is clean, dry, free from all loose contaminants, dust, oils and grease.



To aid adhesion of the Gyproc Fire Cord on porous substrates, take a small piece of the Gyproc Fire Cord and gently rub over the installation mounting area. This is particularly important for floor/soffit applications.

As Gyproc Fire Cord is silicone based, in situations where corrosion protection is a concern, some metals may require a barrier between the putty and the metal surface prior to installation.

To install around service penetrations, take a strip of the Gyproc Fire Cord and wrap completely around the service so that it seals tightly to the substrate.

For wall applications, install with joint facing in the downwards position.

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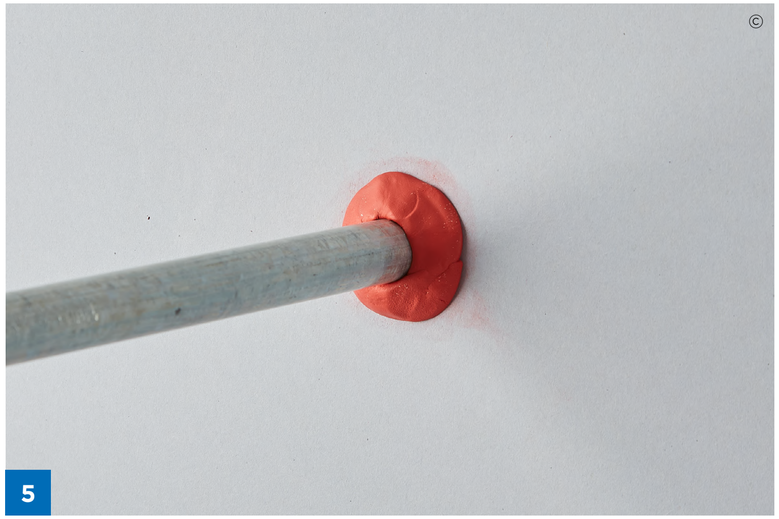
Gently press the Gyproc Fire Cord into the substrate and penetrating service to form a fillet or V Shape joint.

Ensure you make good contact all the way around the service and to the substrate.



Where Gyproc Fire Cord is to be installed against surfaces that cannot tolerate direct contact; appropriate surface preparation may be required (please contact British Gypsum Technical Department for guidance in these cases).

For paints sensitive to sealing compounds, priming with a PVA primer is recommended.

All walls or floors shall have at least the same fire resistance as that required of the sealing system.

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