

GYPROC® PIPE WRAP

Installation Guide



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

Gyproc® Pipe Wrap 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

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Introduction

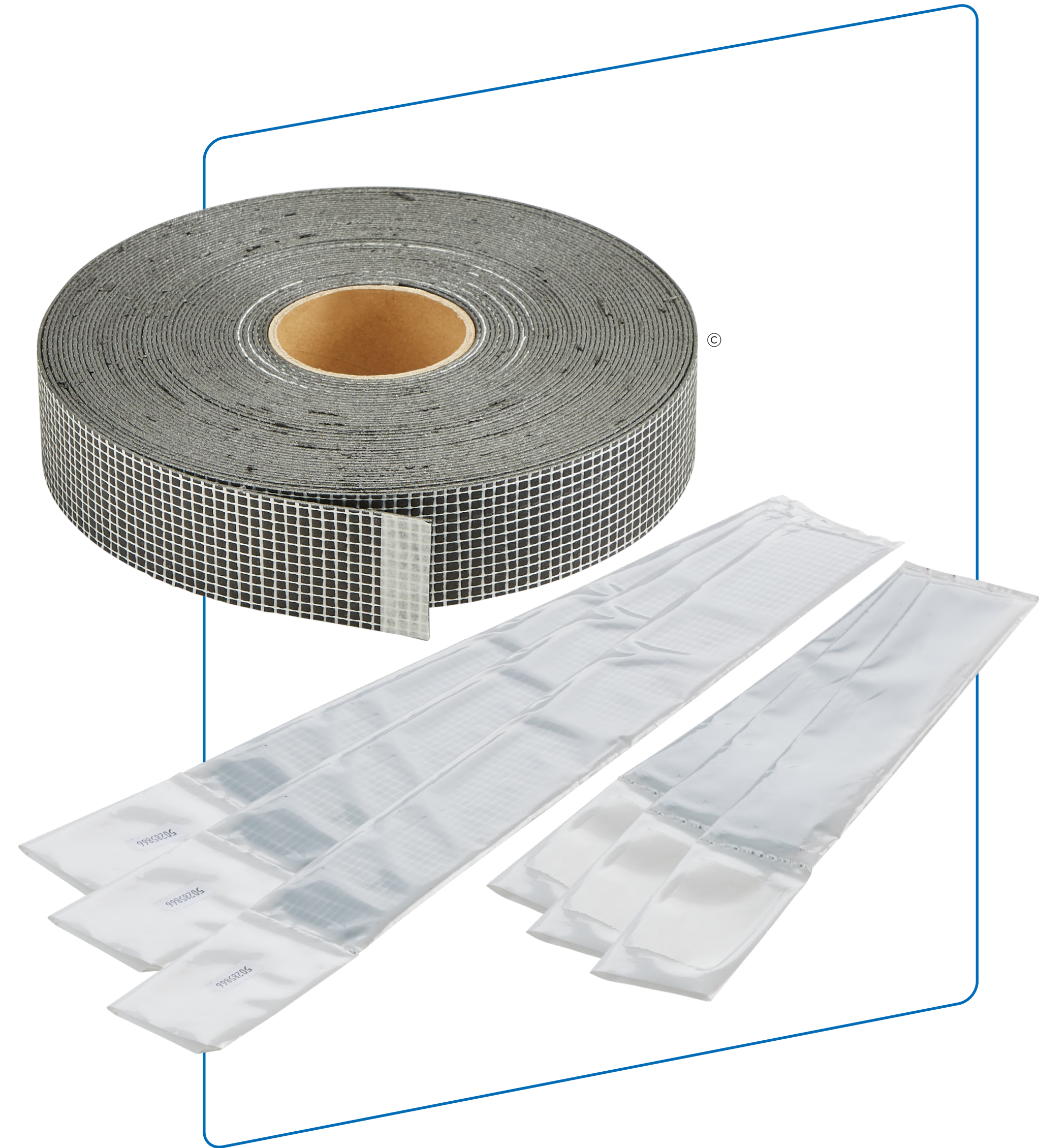
Gyproc Pipe Wrap is designed to reinstate the fire performance of compartment walls and floors breached by combustible pipes, conduits or metal pipes insulated with combustible insulation. Gyproc Pipe Wrap is tested for use in drywalls, masonry or concrete walls and floors offering up to 240 minutes fire resistance dependent upon application.



Gyproc Pipe Wrap is supplied in two formats; as a continuous 25 m Pipe Wrap Roll for cutting to size on-site, and as pre-cut, individual pipe wraps. The Pipe Wrap contains a graphite-based intumescent which reacts when exposed to fire, expanding to provide a pressure seal and thereby closing any gaps formed by the combustible service or insulation.

The individual pipe wraps are supplied to suit various standard pipe diameters. Simply wrap around the combustible pipe or insulated service and secure using the integral self-adhesive tab.

Gyproc Pipe Wrap Roll is supplied in a box dispenser. Simply cut to size and wrap around the combustible pipe or insulated service. Multiple layers may be required to the service dependent on the material, dimensions and fire rating required.



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Properties

- For plastic pipe sizes up to 400 mm Ø with a wide range of pipe wall thicknesses
- Tested on pipes with continuous combustible pipe insulation
- For plastic pipes with cables (conduits)
- Provides up to 240 minutes fire resistance dependent on application
- Certified for PVC-U, PVC-C, PE, LDPE, MDPE, HDPE, ABS, SAN+PVC and PP pipes
- Supporting data for composite pipes
- Tested and certified for U/U pipe end applications
- Simple to install
- Unlimited storage time (under correct conditions)
- 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*.



* 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 or scissors
- Tape to secure pipe wrap roll

Ancillary items

- Gyproc Acrylic Fire Sealant
- Aluminium foil tape



Health and Safety

- The mechanical effect of fibres in contact with skin may cause temporary itching
- Cover exposed skin
- When working in unventilated area wear a disposable face mask
- Clean area using vacuum equipment
- Waste should be disposed of according to local regulations
- Rinse skin in cold water before washing
- Ventilate working area if possible
- Wear goggles when working overhead
- See the product Safety Data Sheet (SDS) for more information

Supporting constructions

When used in conjunction with the Gyproc Fire Batt as part of an aperture seal, flexible walls must have a minimum thickness of 100 mm and comprise steel studs or timber studs*, lined on both faces with minimum two layers of 12.5 mm thick boards. For GypWall or timber stud systems the exact partition specification will be subject to the fire resistance requirements.

In rigid constructions it is advisable to keep the size of the penetration as small as practically possible. Rigid walls must have a minimum thickness of 100 mm and comprise concrete, aerated concrete or masonry, with a minimum density of 650 kg/m³. Rigid floors must have a minimum thickness of 125 mm and comprise aerated concrete or concrete with a minimum density of 650 kg/m³. 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.

Services in floors should be supported at maximum 450 mm from the top face. Services in walls should be supported at maximum 270 mm from both faces of the wall.

* 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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Individual Pipe Wraps Installation



Before application of the Gyproc Pipe Wrap, ensure surfaces and apertures are clean and free of debris.



Wrap the Gyproc Pipe Wrap around the service or insulated service providing a snug fit. Secure the wrap using the integral self-adhesive tab.



Slide the wrap into the line of the wall or floor maintaining 5 mm of wrap exposed to the face of the wall aperture or underside of a floor aperture.

Fill any annular space around the wrapped service with the Gyproc Acrylic Fire Sealant.

Image shows Gyproc Fire Mortar being used to fill the service penetration alongside Gyproc Pipe Wrap. Please check Standard Details for application information.

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Pipe Wrap Roll Installation



1 Before application of the Gyproc Pipe Wrap, ensure surfaces and apertures are clean and free of debris.



2 Check the Standard Details to determine how many layers of Gyproc Pipe Wrap are required. Now measure the length required and cut to size using snips or sharp scissors.



3 Wrap your piece of Gyproc Pipe Wrap around the combustible pipe or insulated service and use tape to secure as shown, ensuring a snug fit. Fill any annular space around the wrapped service with Gyproc Acrylic Fire Sealant.

In the example shown, this aperture would be finished with a Gyproc Fire Batt and Gyproc Acrylic Fire Sealant or Fire Coating.



4 Finished installation.



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British Gypsum reserves the right to revise product specification without notice. The information herein should not be read in isolation as it is meant only as guidance for the user, who should always ensure that they are fully conversant with the products and systems being used and their subsequent installation prior to the commencement of work. For a comprehensive and up-to-date library of information visit the British Gypsum website at: british-gypsum.com. For information about products supplied by Okarno Limited or Saint-Gobain Isover please see their respective websites.

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