

FIREPRO[®] **INTUMESCENT** **PIPE WRAPS**

Fire stop solution for plastic pipe penetrations



FIREPRO® INTUMESCENT PIPE WRAPS

ROCKWOOL Intumescent Pipe Wraps offer a simple and more economical alternative to Firestop Pipe Collars, for fire stopping plastic pipework and electrical trunking penetrations through walls and floors.





Advantages

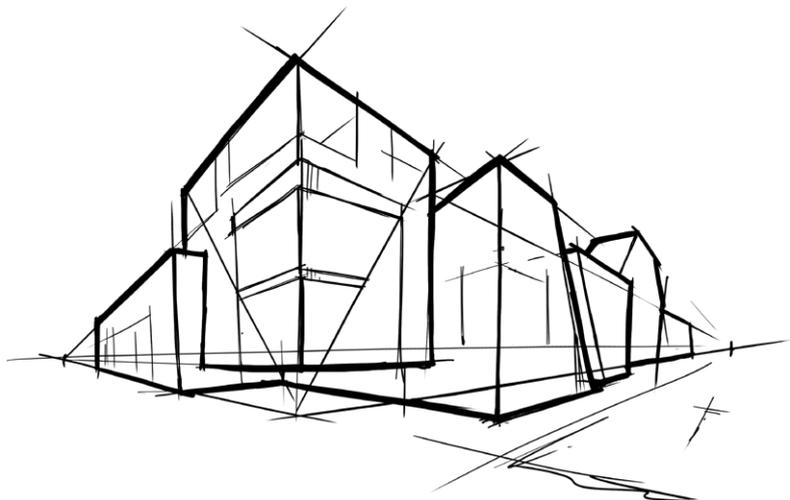
- Simple to install with no mechanical fixings required
- Available to suit pipe sizes up to 160mm O.D.
- Fit most electrical trunking sizes
- Water resistant

Description

Pipe Wraps comprise layers of a graphite based intumescent sheet encapsulated in a polythene sheath. All Pipe Wraps are supplied in correct lengths to suit the pipe diameter.

Applications

- Fire stopping plastic pipe penetrations in walls and floors
- Can be applied to PVC, UPVC, Polypropylene, MDPE & HDPE pipe materials
- Electrical trunking penetrations



Performance

Fire performance

ROCKWOOL Intumescent Pipe Wraps can provide up to 4 hours fire protection to all plastic pipework and electrical trunking where they pass through fire rated walls and floors.

Fire Performance in Masonry Supporting Wall & Concrete Floors

Maximum Pipe OD (mm)	Maximum Pipe Wall Thickness (mm)	Pipe Wrap Width (mm)	Pipe Wrap Thickness (mm)	Fire Resistance – Integrity (min)	Fire Resistance – Insulation (min)
55	7	50	4	120	120
55	7	50	8	240	240
82	7	50	8	120	120
82	7	75	8	240	240
110	7	50	8	120	120
110	7	100	8	240	240
160	7	100	20	240	240

Product information

Property	Description
Pipe Diameter	Up to 160mm O.D.
Width	50, 75 & 100mm
Thickness	4mm
Fire Resistance	Up to 4 hours

Technical information

Standards and Approvals

FIREPRO® Intumescent Pipe Wraps have been tested to BS 476 Part 20:1987.

FIREPRO® Intumescent Pipe Wraps are third party accredited through IFC and Certifire.

Installation

The product is intended to be wrapped around the outside diameter of the pipework or trunking and is secured by means of a self-adhesive strip. The Intumescent Pipe Wrap is then positioned within the compartment wall or floor so that the edge of the product is left exposed at the face of the wall or soffit. The Intumescent Pipe Wrap is then sealed into the structure with ROCKWOOL Firestop Compound (See Figure 1 & 2).

Under fire conditions, the intumescent material expands against the structure and fills the void left by the burnt out plastic.

For walls it may be necessary to fit two wraps depending on the fire risk areas concerned and if the wall thickness exceeds 150mm.

Where pipes are insulated, please refer to the Insulated Fire Sleeve data sheet.

Intumescent Pipe Wraps are used to prevent fire penetration in plastic pipes that pass through walls or floors for a specified period of up to 4 hours. They are manufactured as a sealed unit to the correct length and width to suit the pipe diameter and fire rating.

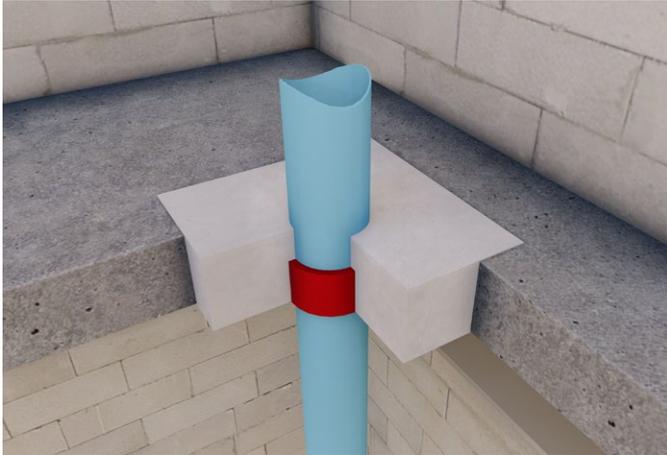


Figure 1
Intumescent Pipe Wrap sealed into compartment floor with ROCKWOOL Firestop Compound

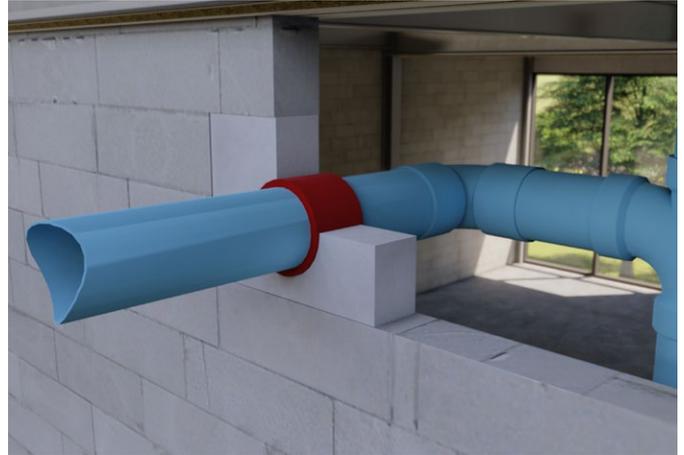


Figure 2
Intumescent Pipe Wrap sealed into a compartment wall with ROCKWOOL Firestop Compound

Installation instructions

1. Check that the pipe surface is clear of mortar.
2. Ensure that the appropriate pipe wrap is installed to suit the outside pipe diameter and required fire rating.
3. Wrap around pipe and fix with integral self-adhesive strip.
4. Slide into position ensuring that the bottom edge is exposed in a floor slab and both edges are exposed in a wall. Two wraps may be necessary when the wall thickness exceeds 100mm (See Figure 3).
5. Seal the pipe wrap into the structure with ROCKWOOL Firestop Compound.

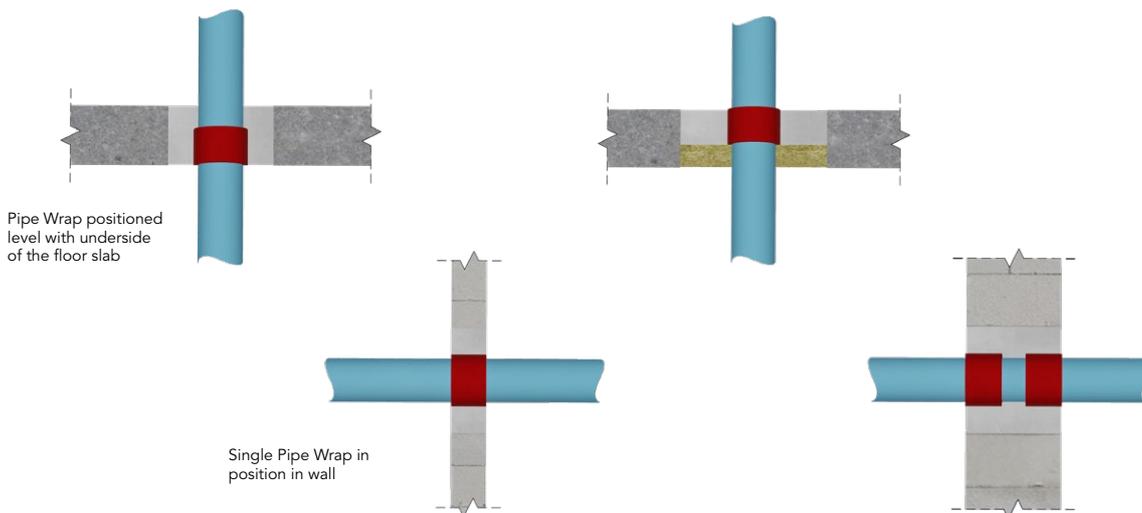


Figure 3

Specification clauses

ROCKWOOL Intumescent Pipe Wraps are associated with the following NBS clauses:

P12 Fire stopping systems

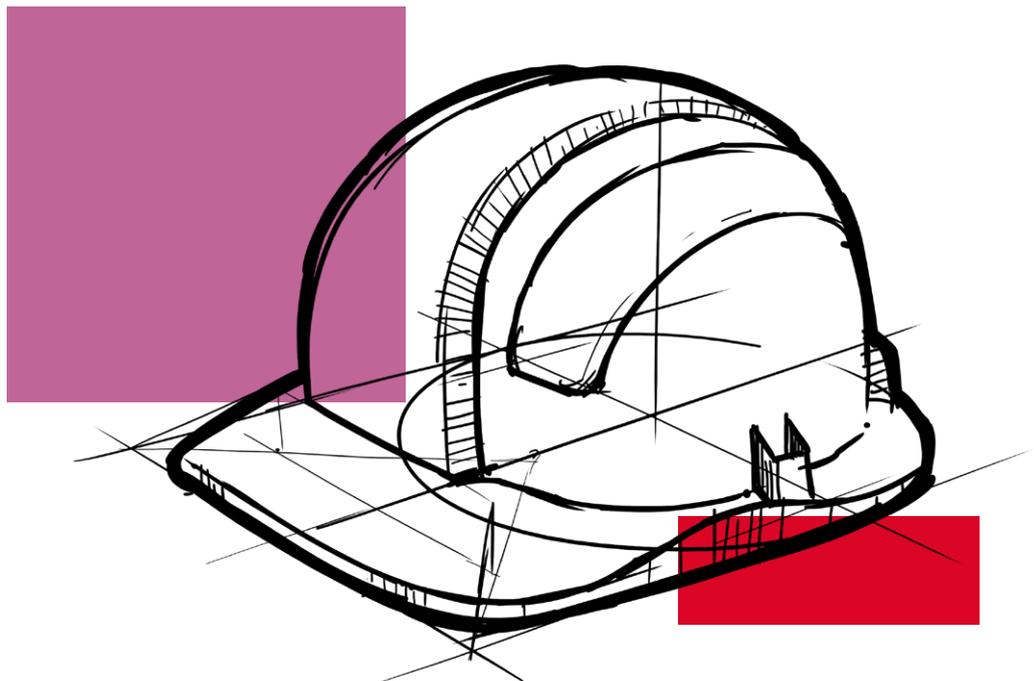
- 375 Pipe Collar – Insulated Wrap

Disclaimers

This product should only be utilised for applications as outlined in the relevant ROCKWOOL product datasheet and in accordance with the relevant ROCKWOOL Fire Resistance Testing. Additionally the product must be installed in accordance with the current ROCKWOOL guidelines. For further information please visit www.rockwool.co.uk or contact our Technical Solutions Team on 01656 868490.

Supporting Information

For further information relating to any aspect of the FirePro range, please refer to the applicable ROCKWOOL standard details at www.rockwool.co.uk or contact the ROCKWOOL technical solution team on 01656 868490 or technical.solutions@rockwool.co.uk.



Sustainability

As an environmentally conscious company, ROCKWOOL promotes the sustainable production and use of insulation and is committed to a continuous process of environmental improvement.

All ROCKWOOL products provide outstanding thermal protection as well as four added benefits:



Fire resistance



Acoustic comfort



Sustainable materials



Durability

Health & Safety

The safety of ROCKWOOL stone wool is confirmed by current UK and Republic of Ireland health & safety regulations and EU directive 97/69/EC: ROCKWOOL fibres are not classified as a possible human carcinogen.

A Material Safety Data Sheet is available and can be downloaded from www.rockwool.co.uk to assist in the preparation of risk assessments, as required by the Control of Substances Hazardous to Health Regulations (COSHH).

Environment

Made from a renewable and plentiful naturally occurring resource, ROCKWOOL insulation saves fuel costs and energy in use and relies on trapped air for its thermal properties.

ROCKWOOL insulation does not contain (and has never contained) gases that have ozone depletion potential (ODP) or global warming potential (GWP).

ROCKWOOL is approximately 97% recyclable. For waste ROCKWOOL material that may be generated during installation or at end of life, we are happy to discuss the individual requirements of contractors and users considering returning these materials to our factory for recycling.



Interested?

For further information, contact the Technical Solutions Team on 01656 868490 or email technical.solutions@rockwool.co.uk

Visit www.rockwool.co.uk to view our complete range of products and services.

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The ROCKWOOL Trademark

ROCKWOOL® - our trademark

The ROCKWOOL trademark was initially registered in Denmark as a logo mark back in 1936. In 1937, it was accompanied with a word mark registration; a registration which is now extended to more than 60 countries around the world.

The ROCKWOOL trademark is one of the largest assets in the ROCKWOOL Group, and thus well protected and defended by us throughout the world.

If you require permission to use the ROCKWOOL logo for your business, advertising or promotion. You must apply for a Trade Mark Usage Agreement. To apply, write to:
marketcom@rockwool.com.

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RAINSCREEN DUO SLAB®

HARDROCK®

ROCKFLOOR®

FLEXI®

BEAMCLAD®

FIREPRO®

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marketcom@rockwool.com.

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