



FIREPRO® INSULATED FIRE SLEEVES

Fire stopping of insulated penetrations

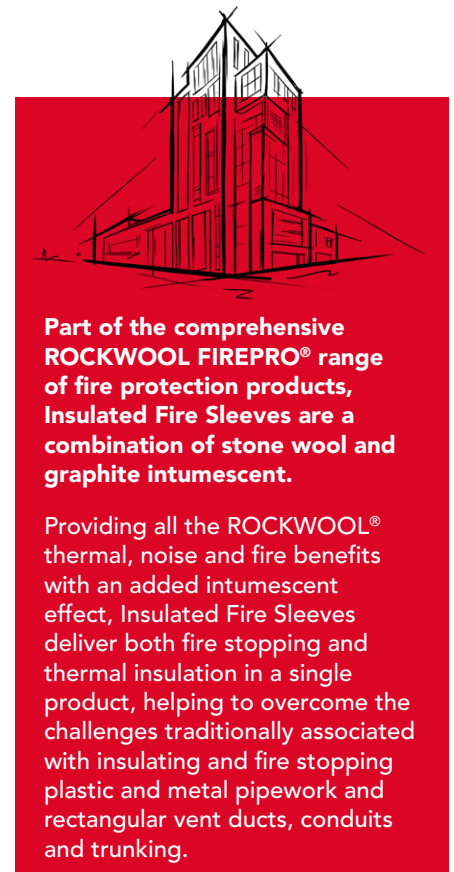
Insulated Fire Sleeves are a combination of ROCKWOOL stone wool and graphite intumescent. Supplied with a factory applied reinforced aluminium foil facing.

When thermally insulated plastic pipes pass through fire resisting walls and floors, the insulation is normally removed at the point of penetration to enable standard pipe collars and wraps to close the resulting void when the plastic softens and melts due to the effects of a fire. However, the removal of this insulation may result in the formation of condensation on cold pipework or heat loss from hot pipes. Insulated Fire Sleeves avoid this problem by providing both fire stopping and thermal insulation in a single product.

Insulated Fire Sleeves are intended for use on copper, steel and most types of plastic pipes, trunking and conduits to provide up to 4 hours* fire resistance.

- Quick, simple and accurate installation
- Maintains pipe insulation at penetration points
- Supplied with integral vapour barrier
- No mastic or ancillaries required
- Can provide thermal and acoustic insulation

**Subject to the application*



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APPLICATIONS

Insulated Fire Sleeves should be installed to the same thickness as the pipe insulation (min 25mm thick). For uninsulated pipes, a thickness of 25mm is required to maintain the fire resistance of the wall or floor.

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PERFORMANCE

Fire performance

FIREPRO Insulated Fire Sleeves have been tested with a range of pipe materials which penetrate walls and floors, achieving up to 4 hours* fire resistance. **Subject to the application.*

Insulated Fire Sleeves have been CE marked to EAD 350454-00-1104.

Use the links below to access further information on fire performance:

[ETA 21-0813 >](#)

[Certificate of constancy of performance 2812-CPR-0725 >](#)

[Fire stopping standard details guide >](#)

Acoustic performance

When tested onto copper pipes within a lightweight wall construction, Insulated Fire Sleeves achieved $R_w (C;C_{tr}) = 49 (-2;-8)$ dB

PRODUCT INFORMATION

Property	Description
Pipe diameter range	17mm - 169mm
Length	300mm
Wall thickness	25mm
Pipework operating temperature	0°C - 180°C
Fire resistance	Up to 4 hours*

**Subject to the application*

STANDARDS AND APPROVALS

Certificate
Insulated Fire Sleeves have been independently tested and assessed to BS 476; Part 20 and BS EN 1366-3: 2009 for periods of up to 4 hours* in concrete walls and floors, plasterboard partitions and ROCKWOOL Ablative Coated Batts.
CE marked to EAD 350454-00-1104



**Subject to the application*

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INSTALLATION

Insulated Fire Sleeves are supplied 300mm long and are simply cut to the desired length and as a minimum, be cut flush with both faces of the wall/floor. When used in conjunction with PVC services or ROCKWOOL Ablative Coated Batts, they are required to extend beyond the face of the wall/floor. For details of how far they need to extend please refer to specification clause 2.

Maintenance

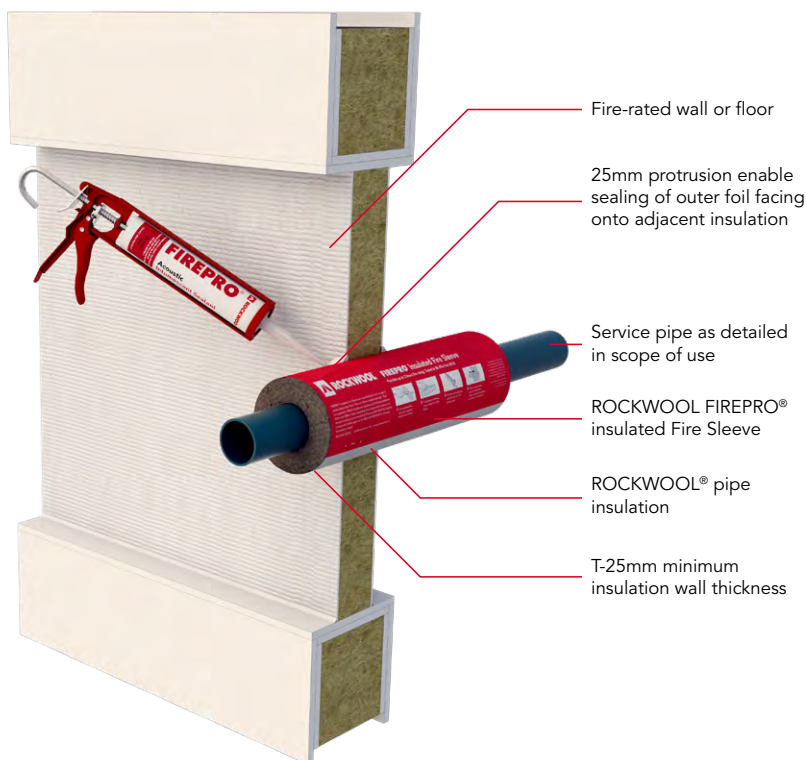
To maintain thermal efficiency, the Insulated Fire Sleeves should tightly abut any existing pipe insulation and where this is foil faced, all joints must be sealed with self-adhesive class O foil tape.

Other install info e.g. ancillaries

No specialist tools or ancillary materials are required for the fitting of Insulated Fire Sleeves. Insulated Fire Sleeves can accommodate irregularities in the division opening and the pipe O.D. of up to 15mm.

Multiple pipe penetrations can be accommodated in conjunction with Ablative Coated Batts.

A minimum thickness of 25mm is required for uninsulated pipes. Thicknesses of 25 to 100mm available to match insulation already installed on pipework. Manufactured to fit pipe diameters of 15 to 169mm.



1. Supporting construction designation:-
Floors: Cast concrete between 1100 and 2400kg/m³ density.
M=Masonry between 600 and 1500kg/m³ density.
PB= Plasterboard clad steel or timber stud partitions with fire resistance at least the same as the Fire Sleeve performance.
CB= ROCKWOOL 50 or 60mm thick Ablative Coated Batt.
2. Insulated Fire Sleeves should project by at least 25mm beyond the visible face of each Coated Batt. There must be at least 50mm width of Coated Batt between any fire sleeve and the edge of the aperture and also between individual Fire Sleeves.
3. If gaps exceed 15mm around the aperture and the sleeve, the gap should be filled with ROCKWOOL Acoustic Intumescent or FIREPRO Firestop Compound. If gaps exceed 8mm between the service and the sleeve, these can be infilled, locally where the service penetrates the aperture, with the Acoustic Intumescent Sealant.
4. The installed length of any Insulated Fire Sleeve shall be at least 60mm.

SPECIFICATION CLAUSES

FIREPRO Insulated Fire Sleeves are associated with the following NBS clauses:

P12 Fire stopping systems

375 Pipe collar: Insulated Wrap

For more information visit rockwool.com/uk

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DISCLAIMERS

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Information contained in this data sheet is up-to-date as at the date of issue. As ROCKWOOL Limited cannot control or anticipate the conditions under which this product may be used, each user should review the information in specific context of the planned use. To the maximum extent permitted by law, ROCKWOOL Limited will not be responsible for damages of any nature resulting from the use or reliance upon the information contained in this data sheet. No express or implied warranties are given other than those implied by law.

SUPPORTING INFORMATION

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

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:



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.com/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.