



Insulated Fire Sleeves

Fire stopping of insulated pipe penetrations

As part of the comprehensive Firepro range of fire protection products, Rockwool Insulated Fire Sleeves are a unique combination of Rockwool and Graphite intumescent that provide all the benefits of Rockwool's thermal, noise and fire benefits with an added intumescent effect.

Use of Rockwool Insulated Fire Sleeves makes a complex task simple.

For insulated pipes it is normally necessary to remove the insulation at point of penetration to enable standard pipe collars to close plastic pipes. This removal of insulation results in condensation on cold pipes and loss of thermal performance on hot pipes.

Rockwool Insulated Fire Sleeves avoids this problem by providing both fire stopping and thermal insulation.

Rockwool Insulated Fire Sleeves are intended for use on Copper, Mild Steel, Polypropylene and PVC pipes and can provide ½, 1 and 2 hour fire resistance.

Rockwool Insulated Fire Sleeves can be used on numerous division types.

Certification

Rockwool Insulated Fire Sleeves have been tested to BS476-20 and the principles of BS476-22.

BRE Certified data is available relating to pipe size, division type and fire protection period.

Advantages

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



Service temperatures

Rockwool Insulated Fire Sleeves are used to fire stop pipe work operating at temperatures between 0°C and 180°C. At low temperatures, care should be taken to maintain the vapour barrier.

Acoustics

The use of Rockwool Insulated Pipe Fire Sleeves can considerably reduce the noise emission from noisy pipework. For higher standards of acoustic insulation, refer to Rockwool 'Techwrap2 and Techtube' data sheet.

Compatibility

Rockwool is compatible with most materials with which it is likely to come into contact in normal building and industrial applications.

Precautions should be taken when insulating austenitic stainless steel, regardless of insulation type. Contact Rockwool for further details.

Biological

Rockwool insulation offers no sustenance to vermin and does not encourage the growth of fungi, moulds or bacteria.

Test Data

Pipe Description	Compartment Construction			
	2h Batt	2h Blockwork	2h Plasterboard	2h Solid Floor
Copper Ø 15-160mm		✓	✓	✓
Mild Steel Ø 15-160mm		✓	✓	✓
Polypropylene Ø 15-28mm	✓	✓	✓	✓
PVC Ø 15-80mm	✓	✓		

This range will be expanded due to an ongoing test programme.

Installation

Rockwool Insulated Fire Sleeves are supplied 300mm long and are simply cut to the desired length. The sleeve must fully cover the part of the pipe that is located within the depth of the compartment wall or floor. The sleeve may be flush fitting or may protrude from the wall/floor by 25mm (typ.) to facilitate sealing of the outer foil facing onto adjacent insulation.

All joints to be taped with self-adhesive foil tape, including the joints where the insulated fire sleeve butts to existing insulation.

No specialist tools, mastics or ancillary materials are required for the fitting of Rockwool Insulated Fire Sleeves.

To maintain the fire rating stated above, the minimum allowable length of sleeve is 50mm.

Rockwool Insulated Fire Sleeves can accommodate irregularities in the division opening and the pipe O.D. up to 15mm.

Multiple pipe penetrations can be accommodated in conjunction with intumescent coated batts.

On metal pipes Rockwool pipe insulation can be used to meet the insulation requirement for fire protection. Contact Rockwool for further details.

Dimensions

Rockwool Insulated Fire Sleeves are supplied 300mm long. They are manufactured to fit a range of standard pipe sizes, from 17mm to 169mm O.D. and standard thicknesses of 25mm to 100mm.

Other pipe sizes and thicknesses may be available to special order.

For un-insulated pipes, a thickness of 25mm is required to maintain the fire rating. Rockwool Insulated Fire Sleeves should be installed to the same thickness as the pipe insulation (min 25mm thick).

Environment

No CFCs, HFCs or HCFCs are used in the manufacture of Rockwool materials.

Health and safety

Current HSE 'CHIP' Regulations and European Directive 97/69/EC confirm that Rockwool fibres are not classified as a possible human carcinogen. A material safety data sheet is available from the Rockwool Marketing Department.



Supply

Available throughout the United Kingdom and Ireland from Rockwool stockists. A list of stockists is available from the Rockwool Marketing Department.

Packaging

Rockwool Insulated Fire Sleeves are supplied packed in cardboard cartons.

WILHAMS

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