

FIREPRO[®] **SOFTSEAL** **SYSTEM**

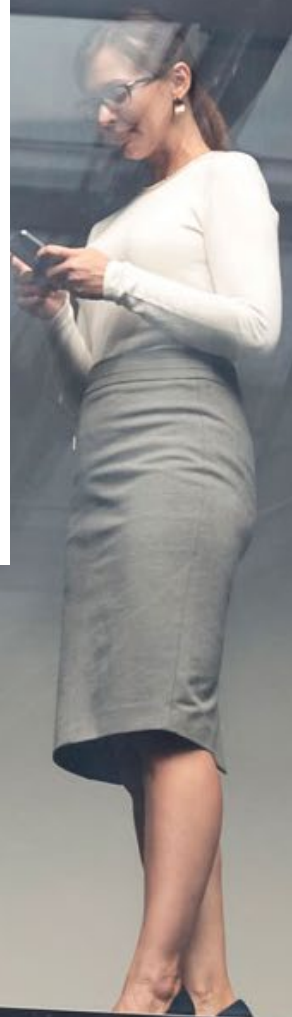
Flexible firestopping for service and joint applications



FIREPRO® SOFTSEAL SYSTEM

The ROCKWOOL FIREPRO® SoftSeal System has been developed in response to demand from the market for a firestopping solution where high levels of movement in the building's services or joints need to be accommodated.

The FIREPRO® SoftSeal System is suitable for applications in penetration seals and linear joint seals.





Description

Part of the ROCKWOOL FIREPRO® range, FIREPRO® SoftSeal System incorporates a product specifically designed to accommodate movement within buildings in linear joint seals and penetration seals.

Advantages

- Suitable for penetration and linear joints
- Acoustically absorbent
- CE Marked
- Easy to handle and install
- Both vertical and horizontal joint applications
- Tested for durability to current EU guidelines
- Supplied pre-coated

Applications

The FIREPRO® SoftSeal System has been specifically developed for two key applications areas:



Penetration seals



Linear joint seals

Penetration seals

Description

As part of the comprehensive ROCKWOOL FIREPRO® range of fire protection products, FIREPRO® SoftSeal System incorporates a product specifically designed to apply to penetration seals within buildings, where the design needs to accommodate movement in the services.

The FIREPRO® SoftSeal System can be installed into apertures within masonry or drywall partitions as a standalone seal for openings up to 1000mm x 1000mm or as part of a larger ROCKWOOL Ablative Coated Batt seal (2 layers) to accommodate movement of services. *

A FIREPRO® SoftSeal Coated Strip comprises a low-density stone wool SoftSeal Lamella Strip, pre-coated with SoftSeal Flexible Coating.

The FIREPRO® SoftSeal Coated Strip is supplied in strips 1200mm x 200mm x 100mm.

The FIREPRO® SoftSeal flexible Coating is also available in 5L, 10L and 20L tubs to enable site repairs to FIREPRO® SoftSeal Coated Strips and FIREPRO® SoftSeal Linear Joint Seals, that may have been damaged during installation.

To complement the FIREPRO® SoftSeal Coated Strip, ROCKWOOL also supplies FIREPRO® SoftSeal High Expansion Intumescent Sealant (310ml) and FIREPRO® SoftSeal Flexible Acoustic Intumescent Sealant (310ml).

FIREPRO® SoftSeal Coated Strip is intended to reinstate the fire resistance, acoustic and air seal performances of concrete floors, masonry walls and dry wall systems when voids have been created for the passage of services. This includes pipes made of steel, cast iron, copper, polypropylene (PP), high density polythene (HDPE), PVC and ABS along with all sheathed cables up to 80mm and supported cable bundles up to 100mm.

*Higher levels of service movement may be accommodated by installing the product under higher compression rates, please contact ROCKWOOL Technical Solutions for guidance.

Performance

Fire performance

ROCKWOOL FIREPRO® SoftSeal Coated Strip has been tested to the dedicated fire resistance standard for penetration seals BS EN1366-3 and shown to provide up to 2 hours fire performance (EI20).

Standard details, showing the full scope of fire performance, are available from the ROCKWOOL Technical Solutions Team on 01656 862621.

FIREPRO® SoftSeal Coated Strip fire resistance tests were conducted using FIREPRO® SoftSeal Flexible Acoustic Intumescent Sealant and/or FIREPRO® SoftSeal High Expansion Intumescent Sealant.

For vertical applications the FIREPRO® SoftSeal Coated Strips are coated on both sides.

Movement

As part of the testing to BS EN 1366-4, FIREPRO® SoftSeal was assessed for its movement capabilities, prior to conducting the fire test. The product was tested to accommodate movement (expansion and contraction) of +/-15%*.

*See ROCKWOOL standard details for specific Ablative Coated Batt sizes.

Acoustic performance

Tested to EN 10140 with the following results:

- Rw 30 dB: When installed with 100mm thick SoftSeal Batt
- Dn,e,w 40 dB: When installed with 100mm thick SoftSeal Batt

Water permeability

Tested to EN 1027 - No leakage observed up to 300Pa.

Air permeability

- Tested to EN 1026 up to 600Pa.
- Leakage at 50Pa - 0.1/1.4 m³/m²/h.

Technical information

Standards and approvals

FIREPRO® SoftSeal has been tested and assessed to BS EN1366-3 2009 and classified to EN 13501-2.

FIREPRO® SoftSeal Coated Strip System has been CE marked against ETAG026-2.

Product information

Property	Description
Length	1200mm
Width	200mm
Thickness	100mm
Fire Resistance	Up to 2 hours
Coating	2 sides
Density	80Kg/m ³
Movement	+/- 15%

Installation

1. Measure the height of the aperture to be sealed.
2. Cut the FIREPRO® SoftSeal Coated Strips 15% bigger than the height of the void to be filled, so when installed they are under compression.
3. Ensure substrate is clean and free of dust and debris.
4. Apply a bead of FIREPRO® SoftSeal Acoustic Intumescent Sealant around the internal edges of the aperture.
5. Install the FIREPRO® SoftSeal Coated Strips horizontally, so that the lamellas are running horizontally.
6. Apply a bead of FIREPRO® SoftSeal Acoustic Intumescent Sealant to butt joints between different sections of SoftSeal Coated Strip and around services.
7. FIREPRO® SoftSeal High Expansion Intumescent Sealant shall be used around plastic pipes in accordance with ROCKWOOL standard details.
8. Apply FIREPRO® SoftSeal Flexible Coating to the face of all joints between SoftSeal Coated Strip and substrate/Ablative Coated Batt.

N.B. Ensure adequate space above and below services to accommodate the FIREPRO® SoftSeal product, for the movement levels required.

Linear joint seals

Description

As part of the comprehensive FIREPRO® range of fire protection products, ROCKWOOL FIREPRO® SoftSeal System incorporates a product specifically designed to form a linear joint seal within buildings, where the design needs to accommodate movement in the joint.

It may be installed horizontally or vertically and is suitable for linear joint widths up to 300mm*. FIREPRO® SoftSeal Linear Joint Seal can also be used as a 'head-of-wall' barrier to extend the fire resistance and acoustic performances of masonry walls that finish at suspended ceiling height, up to the concrete soffit above. FIREPRO® SoftSeal Linear Joint Seal can be used in conjunction with ROCKWOOL Ablative Coated Batt for head-of-wall applications.

A FIREPRO® SoftSeal Linear Joint seal comprises a low-density stone wool FIREPRO® SoftSeal batt, pre-coated with FIREPRO® SoftSeal Flexible Coating. Depending on the application, FIREPRO® SoftSeal Linear Joint Seal can be supplied on either one or both sides. (Single Sided for Horizontal Applications. Double sided for Vertical Applications).

The FIREPRO® SoftSeal Flexible Coating is also available in 5L, 10L and 20L tubs to enable site repairs to FIREPRO® SoftSeal Coated Strips and FIREPRO® SoftSeal Linear Joint Seals, that may have been damaged during installation.

The FIREPRO® SoftSeal Linear Joint Seal is supplied in strips 1200mm x 200mm x 100mm.

*Linear Joints over 300mm wide can be accommodated, with the addition of steel Z brackets.
For further information and advice on sizes or applications, please contact Rockwool Technical Solutions Team on 01656 862621.



SoftSeal installed as a linear joint seal

Performance

Fire performance

ROCKWOOL FIREPRO® SoftSeal Linear Joint Seal has been tested to the dedicated fire resistance standard for linear joint seals BS EN1366-4 and shown to provide up to 4 hours fire performance (E240 & EI80).

Movement

As part of the testing to BS EN 1366-4, FIREPRO® SoftSeal was assessed for its movement capabilities, prior to conducting the fire test. The product was tested to accommodate movement (expansion and contraction) of +/-25%.

Acoustics

Tested to EN 10140 based on two thicknesses with the following results:

- Rw 30 dB: When installed with 100mm thick SoftSeal Batt
- Rw 39 dB: When installed with 200mm thick SoftSeal Batt
- Dn,e,w 40 dB: When installed with 100mm thick SoftSeal Batt
- Dn,e,w 49 dB: When installed with 200mm thick SoftSeal Batt

Water permeability

Tested to EN 1027 - No leakage observed up to 300Pa.

Air permeability

- Tested to EN 1026 up to 600Pa.
- Leakage at 50Pa - 0.1/1.4 m³/m²/h.

Technical information

Standards and approvals

FIREPRO® SoftSeal has been tested and assessed to BS EN1366-4: 2006 + A1: 2010 and classified to EN 13501-2.

FIREPRO® SoftSeal Linear Joint Seal system has been CE marked against ETAG026-3.

Product information

Property	Description
Length	1200mm
Width	200mm
Thickness	100mm
Fire Resistance	Up to 4 hours
Coating	1 side
Density	80Kg/m³
Movement	+/- 25%

Installation

1. Measure the width of the Linear Joint to be sealed.
2. Cut the FIREPRO® SoftSeal Coated Strips 25% bigger than the joint width, so when installed they are under compression.
3. Ensure substrate is clean and free of dust and debris.
4. Install the FIREPRO® SoftSeal Linear Joint Seal with the coating on the top surface.
5. Apply FIREPRO® SoftSeal Flexible Coating to the face of all joints between the seal and the substrate, overlapping by 20mm.
6. Apply FIREPRO® SoftSeal Flexible Coating to the faces of all butt joints between pieces of Soft Seal Linear Joint Seal.

Specification clauses

FIREPRO® SoftSeal System is associated with the following NBS clauses:

P12 Fire stopping systems

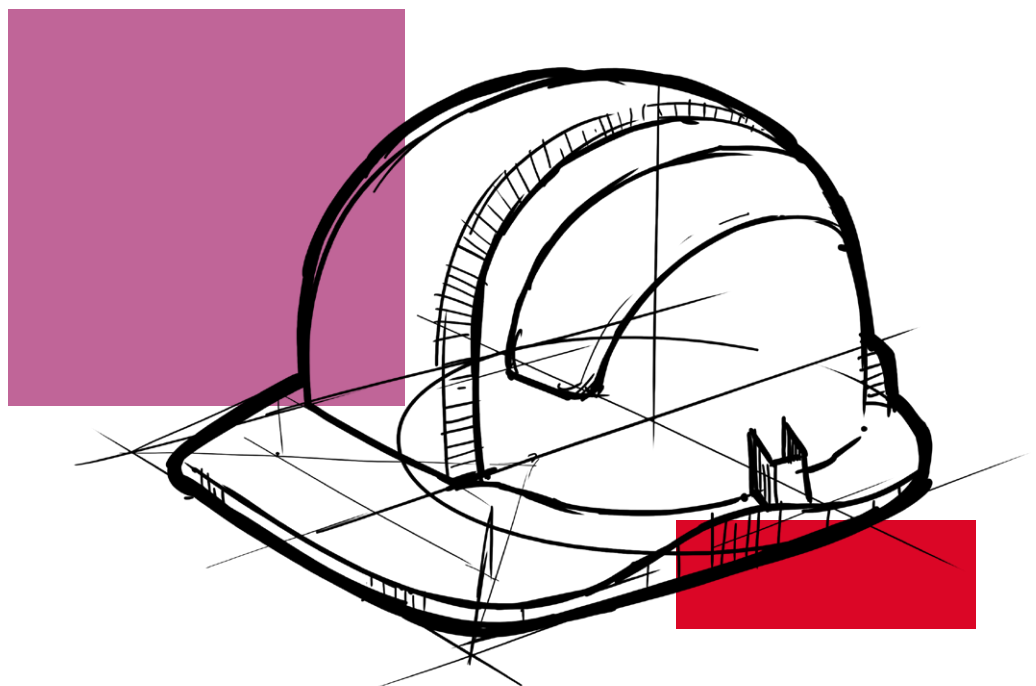
- 160 – Linear gap sealing

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

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 stone wool insulation 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.

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).



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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Notes

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.

Trademarks

The following are registered trademarks of the ROCKWOOL Group:

ROCKWOOL®

ROCKCLOSE®

RAINSCREEN DUO SLAB®

HARDROCK®

ROCKFLOOR®

FLEXI®

BEAMCLAD®

FIREPRO®

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