



# FirePro® Linear & Trapezoidal Firestop System

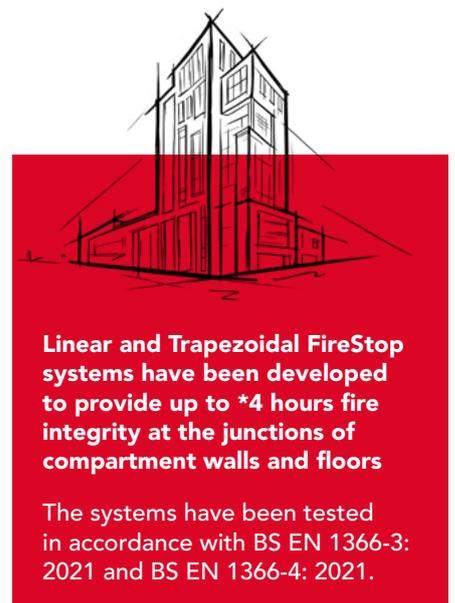
## Fire stopping solutions at compartment junctions

Linear and Trapezoidal FireStop products are made from dense, water repellent stone wool, allowing adequate compression yet retaining the necessary lateral stiffness for ease of installation.

The Linear and Trapezoidal FireStop System can be manufactured to suit a range of steel profile dimensions.

All FireStop products are supplied in standard lengths of 1m.

- \*4 hours fire integrity
- Manufactured for a wide range of profiles
- Easy installation



*\*Subject to the application*

# FirePro Linear & Trapezoidal FireStop System



## APPLICATIONS

Linear and Trapezoidal FireStop Systems have been developed to provide up to \*4 hours fire integrity at the junctions of compartment walls and floors. \*Subject to the application

Solutions illustrated are for masonry and include both fire integrity and insulation criteria for concrete decks and simple profiled sheeting.

### Linear Firestop 2A

- Rectangular strips (installed under min. 5% compression)
- Thicknesses: 12.5, 20, 30, 40, 50, 60, 70, 80, 90, 100mm
- Widths: 100, 150, 200, 300, 400mm
- Fire resistance: Up to 4 hours

### Trapezoidal Firestop 2B

- Trapezoidal strips (tight fit required)

Available for most profiled decks. Deck profile to be named at time of order, e.g. Ribdeck 60, Alphaslok etc.

### Dovetail Infill Firestop Strip

- Supplied as narrow rectangular strips for pinched installation into nominated dovetail shaped deck profiles; e.g. Holorib, Quickspan, Q51



**Figure 1**  
Linear FireStop 2A



**Figure 2**  
Linear FireStop 2A and 2B



**Figure 3**  
Linear FireStop 2A and Dovetail Infill Strip

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## PERFORMANCE

### Fire performance

All fire ratings apply to gaps over walls constructed of aggregate blocks.

Fire resistance includes integrity and insulation criteria in accordance with BS EN 1366-4 and/or BS EN 1366-3.

**Table 1: Top of wall seals**

Substrate	Seal thickness (mm)	Integrity (minutes)	Insulation (minutes)	Test report reference
AAC - AAC*	100	240	180	547220 Spec A
AAC – AAC: 50% compression movement	100	240	120	548036A Spec A
AAC - Steel beam (above or below)	100	180	0	547426B Spec B&C
AAC – BeamClad (encased beam)	100	240	120	547427 Spec B
AAC – Metal roof deck (D159)	100	180	15	547427 Spec A
AAC – Metal roof deck (D159)	140	240	30	548100 Spec A & B
AAC – Metal roof deck (D159)	200 (2 x 100)	180	45	548851 Spec A & B
Steel beam – Metal roof deck (D159)	120	240	15	548036B Spec C & F

\*AAC – AAC has been tested with Ancon IHR-V Head restraints fixed centrally within the seal. 25 mm void notched out of the ROCKWOOL Linear 2A Firestop to accommodate the restraint.

**Table 2: Wall penetrations**

Substrate	Seal thickness (mm)	Integrity (minutes)	Insulation (minutes)	Test report reference
Cables Ø ≤ 21mm	100	120	45	547426 Spec A
Cables Ø ≤ 50mm	100	120	30	547426A Spec A2
Cables Ø ≤ 50mm – with FirePro AIS	100	180	45	547426A Spec A3/A4

**Table 3: Floor seals**

Substrate	Seal thickness (mm)	Integrity (minutes)	Insulation (minutes)	Test report reference
AAC – AAC: Centrally (50% compression)	100	240	180	547423 Spec A & D
AAC – AAC: Flush with soffit	100	240	15	547423 Spec B
AAC - Steel sub-facing	100	240	90	547423 Spec C
AAC - Steel hollow section (SHS)	100	120	0	547423 Spec E

## PRODUCT INFORMATION

Property	Description
Length	1200mm
Width	Up to 400mm
Thickness	12.5 – 100mm
Deck Profiles	Various
Density	110 Kg/m <sup>3</sup>
Fire Resistance	Up to *4 hours

\*Subject to the application

## STANDARDS AND APPROVALS

### Certificate

FirePro® Linear & Trapezoidal Firestops have been tested for fire resistance in accordance with BS EN 1366-3: 2021 and/or BS EN 1366-4: 2021.

**For more information visit [rockwool.com/uk](https://rockwool.com/uk)**

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# FirePro Linear & Trapezoidal FireStop System

## INSTALLATION

The following installation requirements must be met in order to reliably achieve the stated fire resistances.

- Linear FireStop 2A must be fitted as rectangular pieces, tightly butt jointed and compressed by at least 5% in thickness.
- Up to 2 layers may be used. Single layer firestopping will always be preferred, with multi-layer methods limited to those occasions where building tolerances demand practicality. All layers should be installed simultaneously. The height of void should not exceed 105mm.
- Gaps associated with perimeter floor slab/wall fire stopping should be achieved using ROCKWOOL SP FireStop Systems.

### Handling/storage

Linear and Trapezoidal FireStop materials are light and easy to handle and should be cut using a sharp bladed knife. Store in dry conditions.

### Maintenance

Once installed, Linear and Trapezoidal FireStop materials will need no maintenance unless disturbed.

### Other information

For areas such as clean rooms, FireStop Systems are available totally enclosed in shrink wrap.

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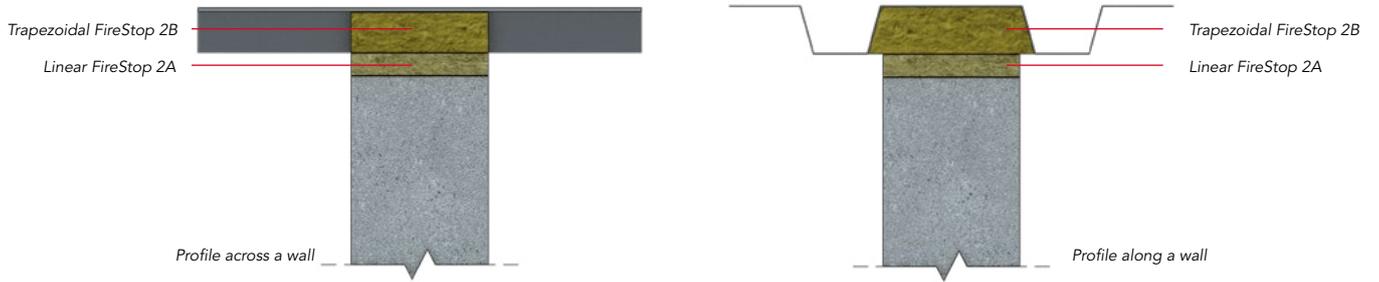


Figure 4

Tested with a Tata D159 metal roof profile



Figure 5

Profiled metal deck with/without concrete over a universal beam

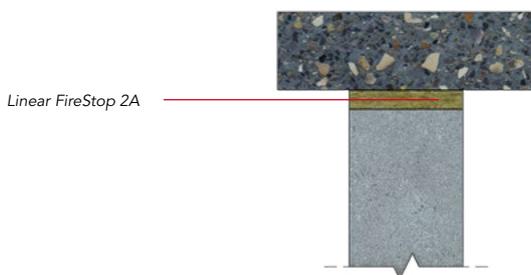


Figure 6

With/without profiled metal deck under a lightweight concrete slab

For further information on applications with composite floors, please contact [technical.solutions@rockwool.com](mailto:technical.solutions@rockwool.com)

# FirePro Linear & Trapezoidal FireStop System

## BUILDING SAFETY AND PRODUCT USE

### LEGAL NOTICES

#### General safety requirements – Building Safety Act 2022

ROCKWOOL Limited is committed to supporting specifiers, resellers and users of ROCKWOOL products for the full life cycle of the product to comply with the obligations and responsibilities set out in the Building Safety Act 2022. With regard to the general safety requirements of the Act, ROCKWOOL Limited cannot control or foresee every situation where its products might be used. We therefore strongly advise that specifiers, resellers and users contact us where use of ROCKWOOL products is contemplated in applications different from those explicitly described in the latest, relevant ROCKWOOL product datasheets; especially in applications that can be reasonably foreseen as critical to safety.

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ROCKWOOL® - our trademark

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To apply, write to:  
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[marketcom@rockwool.com](mailto:marketcom@rockwool.com)

### HEALTH & SAFETY

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

# FirePro Linear & Trapezoidal FireStop System

## ROCKWOOL stone wool - safe to install and live alongside

There are no hazardous classifications associated with stone wool insulation manufactured by ROCKWOOL-UK according to EU REACH and UK REACH regulations on health and the environment.

ROCKWOOL safe use instruction sheets and material safety data sheets (where applicable) can be downloaded [here](#).



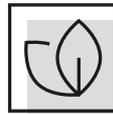
### Sustainability

ROCKWOOL products are used to enrich modern living, creating safer, healthier and more climate-resilient communities.

We transform abundant, natural volcanic rock into stone wool insulation products that are used to reduce energy demand, lower fuel bills and help address society's climate change challenges.

ROCKWOOL stone wool insulation is recyclable and can be transformed into new ROCKWOOL products. Please contact us for details of how we can work together to recycle waste ROCKWOOL stone wool material that may be generated during on-site installation.

Our annual sustainability reports, which set out progress against our sustainability goals, and further details of the positive impacts of using our products can be found on our website.



### Environment

ROCKWOOL takes a fact-based, auditable approach to documenting our progress in maximising our products' positive impact and minimising the effect our operations have on the environment, backed by third-party references and methodologies. Further details can be found online in our annual sustainability report.

Our high-tech production process uses filters, pre-heaters, after-burners and other cleaning and collection systems that help to reduce the effects of our manufacturing operations on the environment.

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

