



# FirePro® Linear & Trapezoidal Firestop System

## Fire stopping solutions at compartment junctions

Linear and Trapezoidal FireStop products are made from dense, moisture resistant 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 wide range of steel profile dimensions.

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

- Up to \*4 hours fire resistance
- Suitable for walls ranging from 400kg/m<sup>3</sup>
- 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 firestopping at the junctions of compartment walls and floors. \*Subject to the application

Solutions illustrated are for masonry walls with a density of at least 400 kg/m<sup>3</sup> and include both fire integrity and insulation criteria for concrete decks, composite 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)

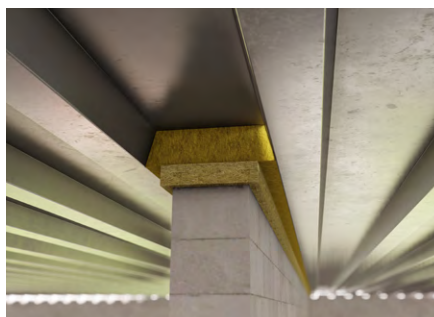
Available for most profiled decks. Deck profile to be named at time of order, e.g. Ribdeck 60, Alphaslok etc.

### 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 dense aggregate blocks, lightweight aggregate concrete, clay bricks or concrete blocks with a minimum density of 400Kg/m<sup>3</sup>.

Fire resistance includes integrity and insulation criteria to BS 476: Part 20: 1987

Min. wall thickness/ fire stop width	Fire resistance (integrity and insulation)
100mm	2 hours
150mm	3 hours
200mm	4 hours
Friction fitted	600 x 600mm

Note: Stated performance assumes fire resistance of supporting wall is no less than fire stop.

## PRODUCT INFORMATION

Property	Description
Length	1000mm
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 FireStop Systems are third party approved by the Loss Prevention Council Certification board (LPCB) for performance and quality and are listed in the "Red Book" - certificate no. 022b(2). Certificates can be accessed online at <a href="http://rockwool.com/uk">rockwool.com/uk</a> or <a href="http://redbooklive.com">redbooklive.com</a>
This product has been authorised for use in LUL surface and sub-surface premises when installed in accordance with this datasheet - please refer to the LUL Approved Product Register website <a href="http://www.LU-apr.co.uk">www.LU-apr.co.uk</a> for specific details.



# 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 3 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 the width of the Firestop.
- 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.

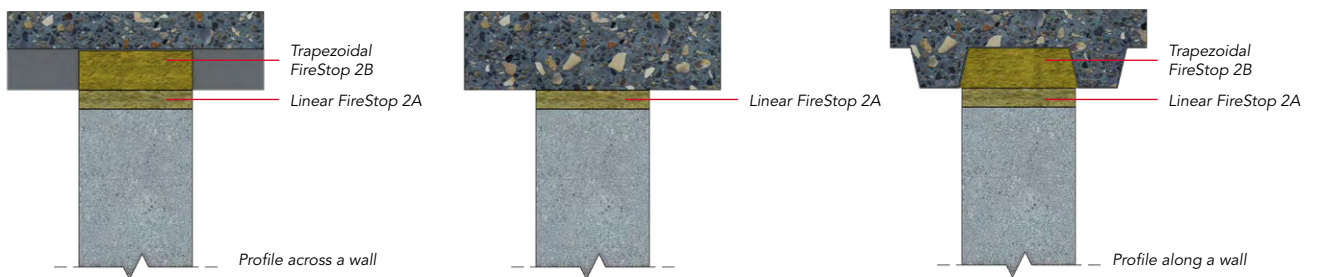
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**Figure 4**  
 Profiled metal deck over blockwork wall

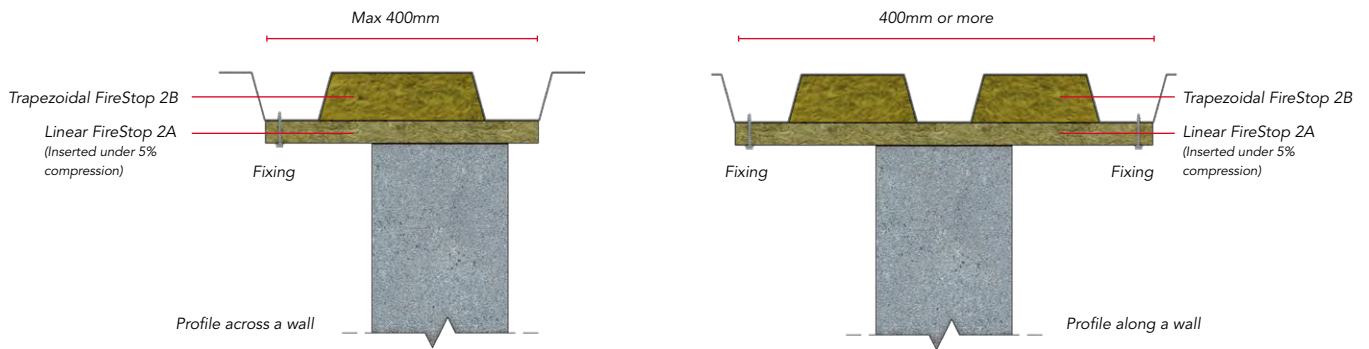


**Figure 5**  
 Profiled metal deck with/without concrete  
 over a universal beam



**Figure 6**  
 With/without profiled metal deck under a  
 lightweight concrete slab

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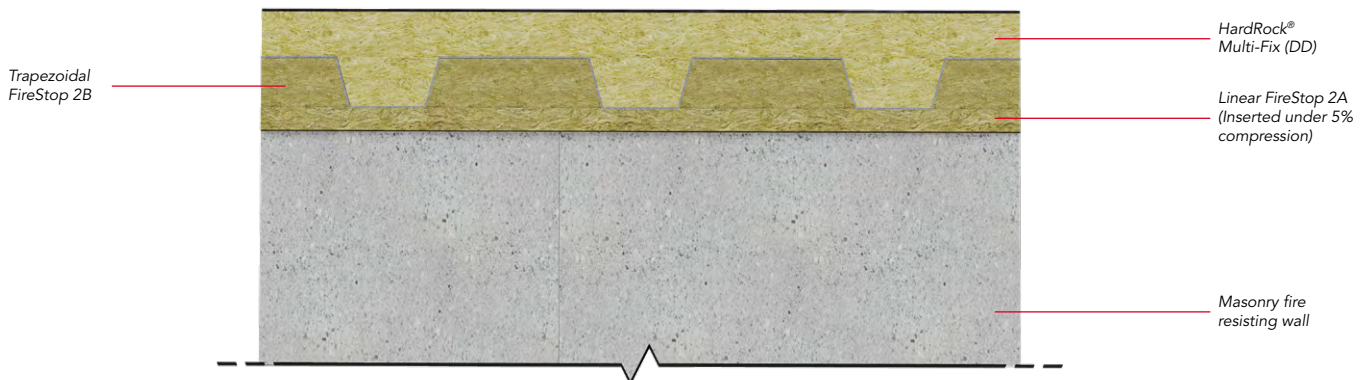


**Figure 7a & 7b**

Metal profiles parallel but offset from the wall line

Fig 7a: The 'overhang' of the Linear FireStop 2A should be supported with steel self-tapping screws or 'hammer fix' anchors into deck / concrete soffit at 350mm maximum centres (minimum of 3 fixings per 1m length of fire stop).

Fig 7b: Where the Linear FireStop 2A is required to be fixed to the deck at distances in excess of 400mm, turn the 1m length of fire stop 90° and cut to required size to suit profile spacing. In such cases, secure each length of fire stop to the soffit using at least 2 fixings at both ends.



**Figure 8**

ROCKWOOL Insulated flat roof deck with profiles perpendicular to the wall line

When fire stopping between the head of a fire resistant wall and the underside of a perforated roof deck insulated with ROCKWOOL HardRock Multi-Fix (DD) flat roof insulation, it should be considered best practice to fill both the upper and lower deck profiles with Trapezoidal FireStop 2B products. In such cases, when placing an order it should be noted that the sizes of the two profiles may differ.

In cases where combustible thermal insulation passes over the head of a fire resisting wall, guidance on maintaining fire compartmentation is provided in Approved Document B (Volume 2, Section B3) of The England and Wales Building Regulations 2000 (2006 edition). To reduce the risk of fire spreading to an adjacent compartment in such cases, it may be necessary to extend the wall through the roof line or introduce a 'protected zone' 1500mm either side of the fire resisting wall.

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## 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.

ROCKWOOL Limited reserves the right to amend the specification of its products without notice. Changes to the ROCKWOOL manufacturing process, or to pertinent regulations, may be reflected in changes to tested and certified product performance. Whilst ROCKWOOL Limited endeavours to keep its publications up to date, readers will appreciate that between publications there may be pertinent changes in the law or other developments affecting the accuracy of the information contained in our publications.

ROCKWOOL Limited does not accept responsibility for the consequences of using (including testing or certifying) its products in applications different from those explicitly described in the relevant ROCKWOOL product datasheets. Expert advice should be sought, and ROCKWOOL Limited should be contacted, where such different use is contemplated, or where the extent of any use described by ROCKWOOL Limited is in doubt.

#### 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 most important assets of the ROCKWOOL Group, and is therefore well-protected and defended by ROCKWOOL 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](mailto:marketcom@rockwool.com)

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#### Photography and illustrations

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To apply, write to:  
[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)

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## 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](#).



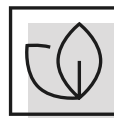
### Sustainability

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).

