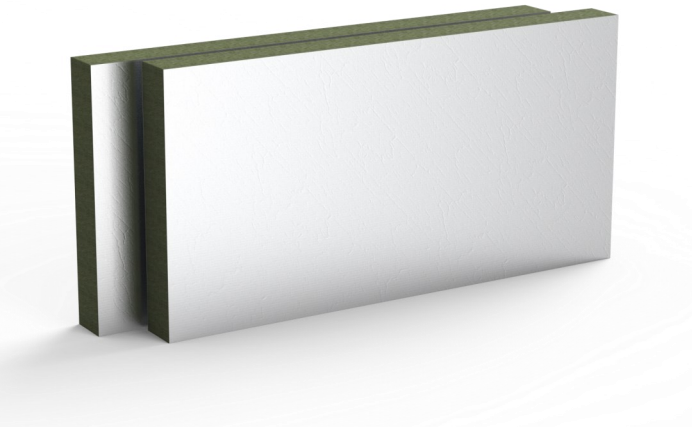
FSi Promat

Technical Data Sheet

Paraflam®
Closed State Cavity Barrier



General description

Paraflam® is a perimeter fire stop designed for curtain walling and cavity barrier external rainscreen facades. Paraflam® is a non-combustible stone wool-based product with a foil facing which prevents fibre migration and provides an excellent seal. It is designed to reinstate the fire resistance of a compartment, as well as offering good thermal and acoustic performance.

Product Details	
Material	Foil Faced Stone Wool
Density	80kg/m3
Finish / Colour	Aluminium Foil Facing
Size/dimensions	Width/Length - 1200 x 1000 mm
Thickness	75/100/120mm
Shelf life	N/A
Durability	Y2

Packaging

- Dry fit (no cure time)
- Euroclass A1 Non-combustible classification in accordance with BS EN 13501-1
- Lightweight
- Minimal waste
- Fast Installation using Brackets

Application and use

- Masonry construction
- Curtain wall and perimeter facades
- External rainscreen facades
- Large horizontal and vertical joints in walls and floors
- Fire stop for internal apertures

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Paraflam®

Product Certification / Approvals	
Approval	Reference number
CE Mark	ETA-21/0052
UL-EU	UL-EU-01151-CPR
UAE CoC	
ISO 9001	11378

Memberships
ASFP

Testing / Classification		
Standard	Description	Result
EN 13501-2, EN 1366-4,	Fire Resistance	Up to 120 minutes
EN 13501-1	Reaction to Fire	Class A1
EN ISO 10140-2:2010	Acoustic	Up to 34dB
EN1026	Air Permeability	600 Pa 0.4m3/h
EAD 350141-00-1106	Durability	Y2
	Thermal Conductivity	0.034w/mk
EAD 350141-00-1106	Movement	<7.5%

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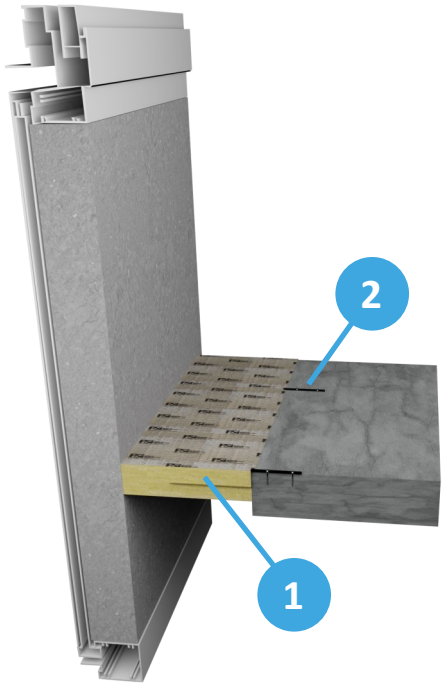
Paraflam® - Firestop



Products
1 - Paraflam® 2 - Steel brackets

Maximum Void Size (mm)
450

Supporting Construction
Rigid Walls and Floors (As per UL-EU-01151-CPR)

Fixing Detail Reference Table		
Detail No.	Fixing Centres	Side of Seal
1*	600mm	One

Fixing Detail	Product Depth (mm)	Integrity (minutes)	Insulation (minutes)	Standard
1*	75	30	30	EN1366-4
1*	100	60	60	EN1366-4
1*	120	120	120	EN1366-4

Installation

• Steel angle brackets 1.5mm or 0.9mm thick installed at mid depth of the Paraflam® system ensuring that the bracket spans a minimum 50% of the cavity width. The brackets are to be mechanically fixed to the substrate with a suitable fire resistant anchor.

• Install Paraflam® into the opening with a minimum 5mm compression fit between the substrates and tightly packed for a friction fit. Leaving no gaps between abutting Paraflam® systems.

• Once the Paraflam® is installed, tape over all abutting lengths of Paraflam® with silver foil tape to provide a smoke seal and prevent fibre migration.

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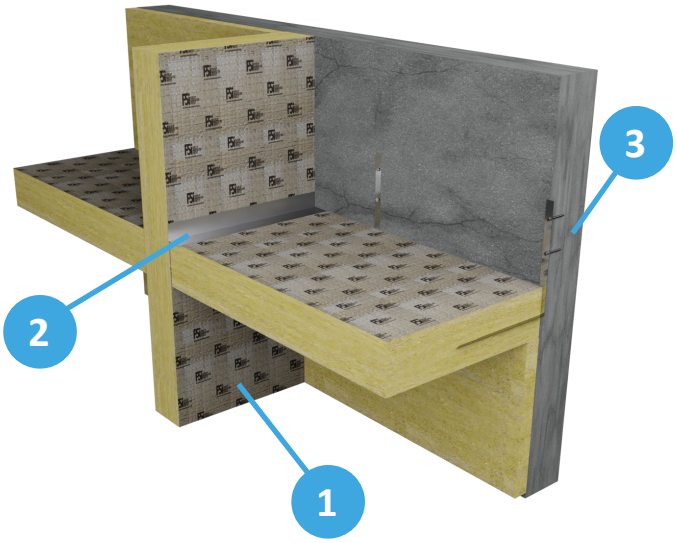
Paraflam® - Cavity Barrier

Products
1 - Paraflam® 2 - Silver foil tape 3 - Steel brackets

Maximum Void Size (mm)
450

Supporting Construction
Rigid Walls and Floors (As per UL-EU-01151-CPR)



Fixing Detail		
Detail No.	Fixing Centres	Side of Seal
1*	600mm	One

Fixing Detail	Product Depth (mm)	Integrity (minutes)	Insulation (minutes)	Standard
1*	75	30	30	EN1366-4
1*	100	60	60	EN1366-4
1*	120	120	120	EN1366-4

Installation

• Steel angle brackets 1.5mm or 0.9mm thick installed at mid depth of the Paraflam® system ensuring that the bracket spans a minimum 50% of the cavity width. The brackets are to be mechanically fixed to the substrate with a suitable fire resistant anchor.

• Install Paraflam® into the opening with a minimum 5mm compression fit between the substrates and tightly packed for a friction fit. Leaving no gaps between abutting Paraflam® systems.

• Once the Paraflam® is installed, tape over all abutting lengths of Paraflam® with silver foil tape to provide a smoke seal and prevent fibre migration.

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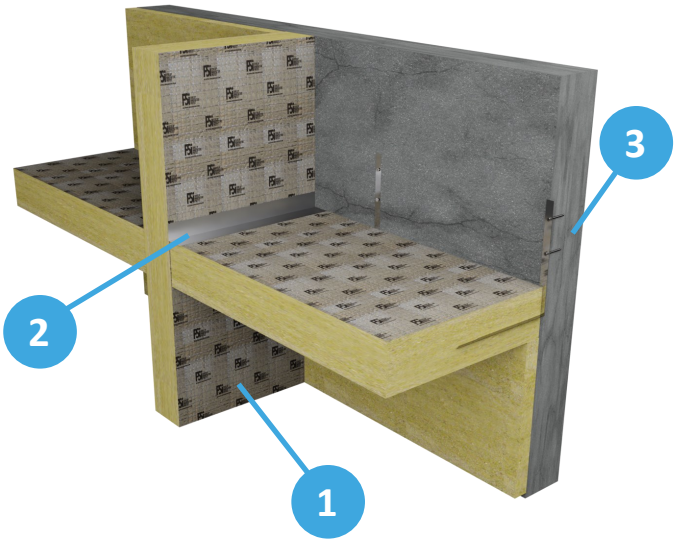
Paraflam® - Cavity Barrier

Products
1 - Paraflam® 2 - Silver foil tape 3 - Steel brackets

Maximum Void Size (mm)
451-550

Supporting Construction
Rigid Floors and Walls



Fixing Detail Reference Table		
Detail No.	Fixing Centres	Side of Seal
1*	600mm	One

Fixing Detail	Product Depth (mm)	Integrity (minutes)	Insulation (minutes)	Standard
1*	75	30	15	EN 1366-4
1*	120	120	60	EN 1366-4

Installation

• Where required, steel angle brackets 1.5mm or 0.9mm thick installed at mid depth of the Paraflam® system ensuring that the bracket spans a minimum 50% of the cavity width. The brackets are to be mechanically fixed to the substrate with a suitable fire resistant anchor.

• Install Paraflam® into the opening with a minimum 5mm compression fit between the substrates and tightly packed for a friction fit. Leaving no gaps between abutting Paraflam® systems.

• Once the Paraflam® is installed, tape over all abutting lengths of Paraflam® with silver foil tape to provide a smoke seal and prevent fibre migration.

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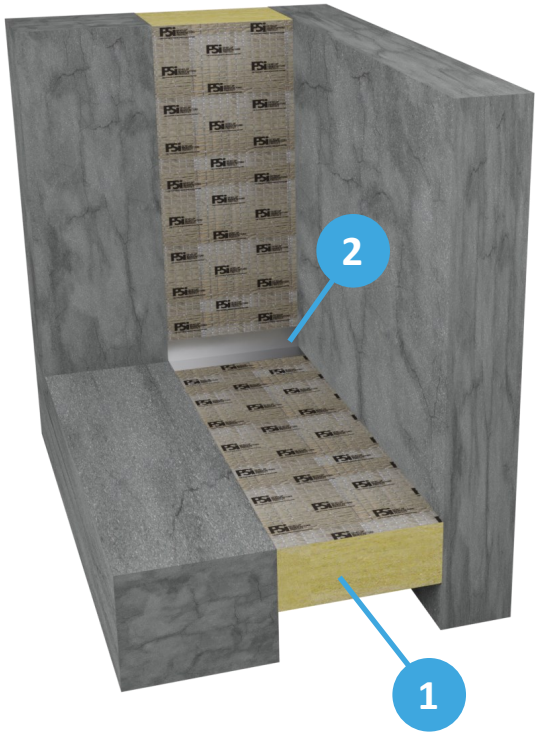
Paraflam® - Cavity Barrier



Products
1 - Paraflam® 2 - Silver foil tape

Maximum Void Size (mm)
150

Supporting Construction
Rigid Floors and Walls

Fixing Detail Reference Table		
Detail No.	Fixing Centres	Side of Seal
1*	600mm	One

Fixing Detail	Product Depth (mm)	Integrity (minutes)	Insulation (minutes)	Standard
N/A	100	120	60	EN1366-4

Installation

• Install Paraflam® into the opening with a minimum 10mm compression fit between the substrates and tightly packed for a friction fit. Leaving no gaps between abutting Paraflam® systems. Once the Paraflam® is installed, tape over all joints/junctions with silver foil tape ensuring all abutting edges are sealed.

• Once the Paraflam® is installed, tape over all abutting lengths of Paraflam® with silver foil tape to provide a smoke seal and prevent fibre migration.

Handling & Storage

Store in a well-ventilated, dry, cool environment. Recommended temp ranges +5°c - +35° C, Protect against exposure to direct sunlight. Always ensure that safe manual handling procedures are followed at all times.

Disposal

Paraflam is considered a complex article. The individual components may be separated by mechanical means and should be recycled or disposed of separately.

Mineral wool component

European Waste Catalogue code: 17 06 04 CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES), insulation materials and asbestos-containing construction materials, insulation materials other than those mentioned in 17 06 01 and 17 06 03.

Mineral wool component is categorised as "waste accepted at landfills for non-hazardous waste" in accordance with EC decision 2003/33/EC (Landfill acceptance criteria).

Aluminium foil component

European Waste catalogue code: 17 04 02 CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES), metals (including their alloys), Aluminium

Disposal of CBCI must be in accordance with a licensed collectors sorting instructions. Avoid the formation of dust during the removal or disposal of this product.

You must classify your own waste, the information given above is guidance only. Waste must be classified on a case-by-case basis

Please see SDS for more information.

Maintenance

Recorded inspection should be conducted in line with the maintenance and inspection schedule defined for the building/project.

These inspections should be completed and recorded by suitably competent individuals at intervals outlined in the operation and maintenance manual relevant to the building.

Ensure Safe Access and Egress when carrying out maintenance or inspection

Where product (s) is damaged or tampered, new product should be installed in line with installation guidance.

Legal Notes

FSi Ltd. products are manufactured to rigid standards of quality. Any product which has been applied in accordance with FSi Ltd.'s written instructions and in any application recommended by FSi Ltd., but which is proved to be defective in product quality, will be replaced free of charge. No liability can be accepted for the information provided in this document although it is published in good faith and believed to be correct at time of issue. Any drawings provided are for illustrative purposes only. FSi Ltd. reserves the right to alter product specifications without prior notice, in line with our Company policy of continuous development and improvement. Changes due to new findings are possible, errors and misprints are not excluded. No liability whatsoever will be accepted for any loss, damage or injury arising from the use of the information given. FSi Ltd. have no control over the methods of installation, competence of operatives or suitability of site conditions, no warranties, expressed or implied, are intended to be given as to the actual performance of the product/system mentioned within this document.