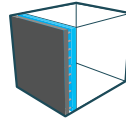
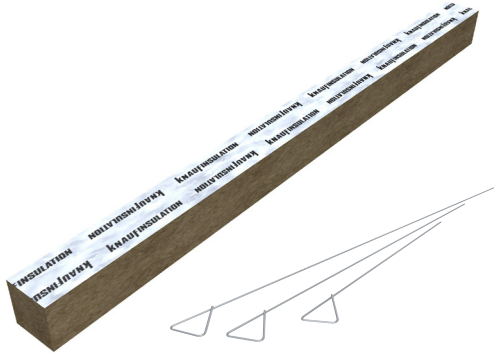


ROCKSILK® RAINSCREEN FFCB

March 2023

APPLICATIONS



DESCRIPTION

Rocksilk® RainScreen FFCB is a cavity barrier made from rock mineral wool, designed to form part of a certified system that is face-fixed to Rocksilk® RainScreen Slab. It is non-combustible with the best possible Euroclass A1 reaction to fire classification, and is manufactured using Knauf Insulation's unique bio-based binder, ECOSE® Technology. The system provides fire resistance for up to 90 minutes insulation and integrity (EI90) in the residual cavities of buildings with masonry façades.

PERFORMANCE

Fire	52x100x1200mm	– E90 I30
Fire Resistance (EN 1366-4:2018 & TR031)	52x200x1200mm	– EI90
	102x200x1200mm	– EI90

FEATURES AND BENEFITS

- ✓ One size of barrier suitable for all cavity dimensions
- ✓ Is installed after Rocksilk® RainScreen Slab is in place
- ✓ Foil faced to ensure correct orientation of barrier
- ✓ Suitable for vertical and horizontal applications
- ✓ Ties can be easily trimmed to suit total cavity dimensions

SPECIFICATIONS

Product Name	Length (mm)	Width (mm)	Thickness (mm)	Tie Length (mm)	Quantity per box	Ties per box	Product code
Rocksilk® RainScreen FFCB	1200	102	200	400	15	45	795617
	1200	102	200	300	15	45	795615
	1200	52	200	400	33	99	795613
	1200	52	200	300	33	99	795614
	1200	52	200	200	33	99	795616
	1200	52	100	400	66	198	795419
	1200	52	100	300	66	198	795371
	1200	52	100	200	66	198	794378
Rocksilk® RainScreen FFCB Tie	n/a	n/a	2.1	400	n/a	100	795620
	n/a	n/a	2.1	300	n/a	100	795619
	n/a	n/a	2.1	200	n/a	100	795618

CERTIFICATIONS, CLASSIFICATIONS AND INDUSTRY STANDARDS



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ADDITIONAL INFORMATION

Durability

Rocksilk® RainScreen FFCB is odourless, non-hygroscopic, rot proof, does not sustain vermin and will not encourage the growth of fungi, mould or bacteria.

Application

Rocksilk® RainScreen FFCB is used as a cavity barrier in closed state cavities to provide fire resistance between compartments, floor levels and cavity openings such as windows or doors. It is suitable for use in partially filled masonry cavities where the inner leaf is concrete/masonry/steel or timber frame.

A 100mm Rocksilk® RainScreen FFCB will provide fire resistance of 30 minutes insulation and 90 minutes integrity while a 200mm Rocksilk® RainScreen FFCB will provide fire resistance of 90 minutes insulation and integrity.

Rocksilk® RainScreen FFCB comes with three ties per barrier included in the box, which should be a suitable depth such that they sit in contact with the sheathing board when installed. The ties can be easily trimmed to size.

Rocksilk® RainScreen FFCB can only be used in conjunction with Rocksilk® RainScreen Slab.

Standards and Certification

Rocksilk® RainScreen FFCB has been assessed by Underwriters Laboratories (UL) under assessment report 4790643767-1 to provide fire resistance to partially filled cavities with a masonry façade.

Rocksilk® RainScreen FFCB is manufactured in accordance with ISO 50001 Energy Management Systems, OHSAS 18001 Occupational Health and Safety Management Systems, ISO 14001 Environmental Management Systems, and ISO 9001 Quality Management Systems.

Real Performance

Glass and rock mineral wool are easier to install correctly than other insulants such as rigid boards because they adapt to any slight imperfections in the substrate and knit together, eliminating any air gaps. Evidence shows the absence of air gaps is crucial to achieving real performance in the relevant application.

Environmental

Rocksilk® RainScreen FFCB contains no ozone-depleting substances or greenhouse gases. For further environmental information consult the relevant Environmental Product Declaration, available on our website.

Moisture

The physical and chemical characteristics of the fibres are unaltered by wetting. Therefore the properties of Rocksilk® RainScreen FFCB are not affected by exposure to moisture and the product will perform as expected once dry.

Thermal performance

The U-value of a proprietary rainscreen façade system is dependent on the degree of thermal bridging in the system. Calculations should be created using 2D or 3D modelling programs which comply with the methodologies detailed in BS EN ISO 10211. We offer 3D numerically modelled U-value calculations compliant with BS EN ISO 10211 under the BBA/TIMSA U-value and Condensation Risk Analysis Competence Scheme.

Handling and storage

Rocksilk® RainScreen FFCB is easy to handle and install, and easily cut to size, where necessary. It is supplied in cardboard boxes which are designed for short term protection only. For longer term protection on site, the product should either be stored indoors, or under cover and off the ground. Rocksilk® RainScreen FFCB should not be left permanently exposed to the elements.



ECOSE® Technology is our unique bio-based binder, that is used in the manufacture of all of our Glass Mineral Wool products and the majority of our Rock Mineral Wool products, to bind insulation strands together. ECOSE® Technology contains no added formaldehyde or phenol. It is made from natural raw materials that are rapidly renewable and is 70% less energy-intensive to manufacture than traditional binders, so it is more environmentally-friendly. Products made with ECOSE® Technology are soft to touch and easy to handle. They generate low levels of dust and VOCs and have been awarded the Eurofins Gold Certificate for Indoor Air Comfort.

Knauf Insulation Ltd

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challenge.
create.
care.