

# CFB ULTIMATE BARRIER

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**CFB** is designed and tested to prevent the spread of fire and smoke in a cavity void in both the vertical and horizontal planes, tested up to 4 hours as well as offering high acoustic reductions. A DPC is pre-fitted in areas, this needs to be stated at order stage.

## TECHNICAL DATA

**CFB** is manufactured using a core of density Knauf ECOSE rock slab which has a fire classification of EUROCLASS A1 tested to BS EN 13501-1.

Class O reinforced aluminium foil is tested to BS 476 Part 6 when used with rock slab.

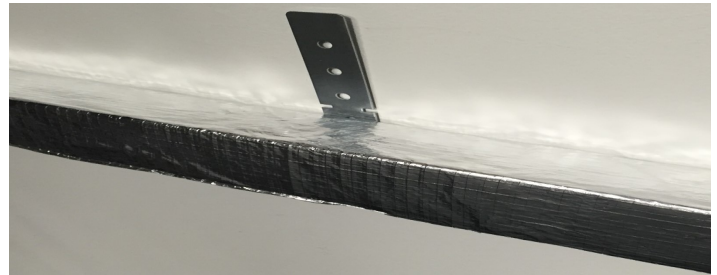
**CFB** is tested and accredited for up to 4 hours to BS EN 1366-4 (BS 476 Parts 6 & 7) independently to achieve high acoustic requirements.

## ENVIRONMENT

Guardian Insulation Solutions Environmental policy is designed to reduce waste and reduce our carbon footprint. All products used are chosen for helping us, as a company, to achieve this goal. The KNAUF INSULATIONS ECOSE mineral wool slab meets these requirements. The ECOSE technology used is the first organic binder in the UK for mineral wool. The ECOSE slabs are free from CFCs, HCFCs and contain no other material elements which have ozone depletion potential. Thus they exceed the requirements of BREEAM entering a classification of ZERO ODP as well as ZERO GWP. Where low environmental impact is a key design consideration these products help achieve this goal.

## APPLICATION DETAIL

**GIS-USB** is a multi application solution for fire & acoustic requirements within the construction envelope. And is used in metal framing around window and door openings, horizontally at floor beam levels, vertically to form fire compartmentation and round any void or to close cavities at tops or bottoms of structures. **CFB** can be used for 30, 60, 90, 120 and 240 minute fire stop to meet current building regulations as well



as meeting Part B acoustic requirements, where a vapour barrier is required a DPC is available pre-fitted to the firestop, it complies with the needs of approved document L1A-2010 for England and Wales as the Knauf ECOSE core is zero DDP and zero GWP, within the modern construction envelope it provides the solutions needed within document E (2003) of the building regulations thus meeting robust detailed solutions.

## FITTING

**CFB** is simple to install on site and can arrive pre cut to save site time. The product must be fitted under compression of 3-5% thus the void size must be measured and then the extra for compression added. Fixing straps must be fixed 2 per 1200mm length or any shorter cut length these can be built in to the brickwork bent once and fixed mechanically (no plastic fixings or plugs) or bent into a Z-shape and fixed on top of a beam or concrete slab. All butted joints must be tightly compressed together, any obstructions must be sealed with GIS multi-use Fire & Acoustic mastic to achieve the correct fire seal. See fixing guide and follow accordingly.

Guardian Insulation Solutions have a policy of continual development of products to maintain their relevance to current and changing regulations, therefore the data given is for guidance only any test results shown may vary dependant upon site conditions. Guardian Insulation Solutions accept no responsibility for suitability to application it is the users responsibility to check suitability for their on application with their designers or architects. Issue: 16th March 2018

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