

## CAVITY FIRE BARRIER

Designed to prevent the spread of fire and smoke in a cavity void in both the vertical and horizontal plains

- Designed to prevent the spread of fire and smoke in a cavity void, and also offers high acoustic reductions.
- Tested and accredited for up to 4 hours to BS EN 1366-4 (BS 476 Parts 6 & 7).
- Can be installed on site without the need for special tools or skills.
- Manufactured using a core of high density Knauf ECOSE rock slab, which is a sustainable material.
- Meets the requirements of current building regulations for fire and acoustic protection.
- Available in a variety of sizes to suit different applications.



## Technical Data



### FIRE

Guardian Ultimate Barrier Slab (GIS-UBS) is manufactured using a core of high density Knauf ECOSE rock slab, which has a fire classification of EUROCLASS A1. This means that it will not burn or support combustion.

The rock slab is faced with class O reinforced aluminium foil, which is also fire resistant. The finished product is tested and accredited for up to 4 hours to BS EN 1366-4 (BS 476 Parts 6 & 7), which means that it can provide fire resistance for up to 4 hours in a cavity void.

Rebated joints are available along with along with a polymeric core.



### APPLICATION

GIS-USB is a multi-application solution for fire and acoustic requirements within the construction envelope. It can be used in a variety of applications, including:

- 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
- Gaps between concrete slabs and exterior block or brick walls and rainscreen cladding systems.
- Gaps between internal block, timber frame, or metsec walls and exterior brick or block walls and rainscreen cladding systems.
- Voids between steel structural beams (RSJ or I Beams) and building structures.
- Voids within ceilings to maintain the integrity of party walls or partitions.
- Voids below raised access floors to maintain the integrity of the partitions on the raised access floors.
- To seal gaps around spandrel panel systems where they meet other structures within the building envelope.

GIS-USB is suitable for a wide range of applications. Please contact our technical team for more information on how GIS-USB can be used in your specific application.



### ENVIRONMENT

Our Environmental policy aims to reduce waste and minimise our carbon footprint, with a focus on product selection. KNAUF INSULATION mineral wool slab utilises ECOSE technology - the UK's first organic binder for mineral wool.

These slabs are CFC and HCFC-free, with no other ozone depletion potential elements, exceeding BREEAM requirements with a ZERO ODP and GWP classification. Using these products can help achieve environmentally conscious design considerations.

# Technical Data

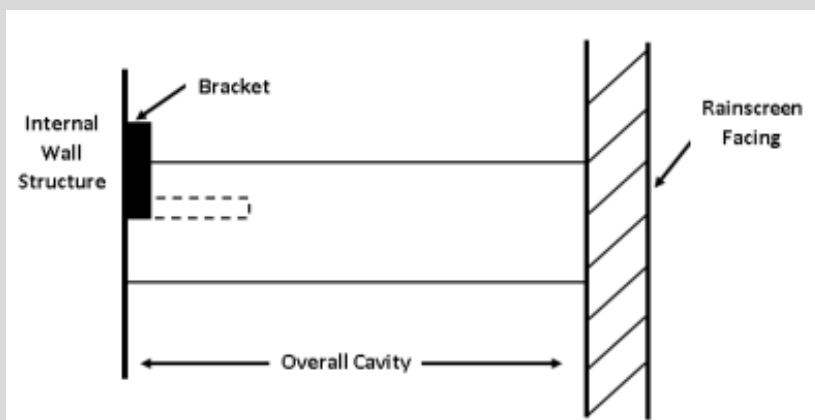


### FITTING

GIS-USB is simple to install on site and can be pre-cut to save time. The product must be fitted under compression of 3-5%, so the void size must be measured and the extra for compression added.

- **Fixing straps:** Two straps must be fixed per 1200mm length or any shorter cut length. They can be built into 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.
- **Joints:** 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.
- **Ceiling voids and raised access floors:** The slab joints in ceiling voids and under raised access floors require taping. The GIS acoustic and fire sealant must be used around all edges and any penetrations to ensure a full acoustic seal.

See separate fixing instruction sheet for more details.



Product Code	Size (mm)	Fire Rating (minutes)	Slabs per Pallet
GUS/040/1200/600	1200 x 600 x 40	30	100
GUS/050/1200/600	1200 x 600 x 50	60	90
GUS/060/1200/600	1200 x 600 x 60	90	70
GUS/075/1200/600	1200 x 600 x 75	120	60
GUS/100/1200/600	1200 x 600 x 100	240	42

GIS-UBS is also available on some sizes in 1200 x 900 and 1200 x 1000mm (non ECOSE) dependant on stock and volume POA.

GIS-UBS can be cut to site specifications POA.

## Technical Data



### ACCESSORIES

Product Code	Description	Size
STRAP/225	225mm Fixing Strap	Each
STRAP/325	325mm Fixing Strap	Each
STRAP/400	400mm Fixing Strap	Each
GIAS/310	GIS Fire & Acoustic Mastic	310ml Tube
FOIL/50/45MT	GIS Foil Joint Tape 50mm	45mt Roll
FOIL/75/45MT	GIS Foil Joint Tape 75mm	45mt Roll
FOIL/100/45MT	GIS Foil Joint Tape 100mm	45mt Roll