

Class O Foil Faced Slab

Date: 19/01/2021

Reference: 15

Issue: 1

GIS-FACED SLAB is designed and tested to prevent the spread of fire and smoke in a cavity void in both the vertical and horizontal plains, tested up to 4 hours as well as offering acoustic reductions.

TECHNICAL DATA

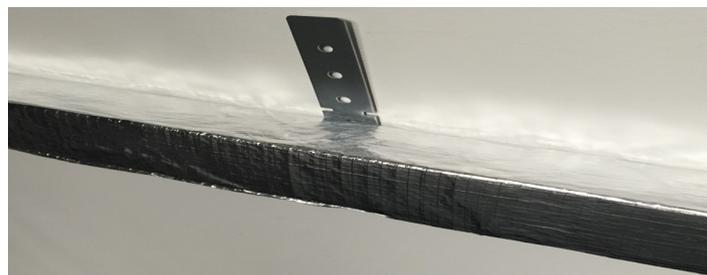
GIS-FACED SLAB is manufactured using a core of high density Knauf ECOSE rock slab which has a fire classification of EUROCLASS A1 tested to BS EN 13501-1 this is faced with class O reinforced aluminium foil tested to BS 476 Part 6 when used with rock slab. The finished product is tested and accredited for up to 4 hours to BS EN 1366-4 (BS 476 Parts 6 & 7) independently to achieve high acoustic requirements.

GIS-FACED SLAB 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 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. Class O foil is also available in black and white lacquered finishes.

ACCESSORIES

- 1) Silver class O foil in 45m long rolls 50mm, 75mm and 100mm wide
- 2) Black class O foil in 50m long rolls 50mm, 75mm and 100mm wide
- 3) White class O foil in 50m long rolls 50mm, 75mm and 100mm wide
- 4) Black cladface tape 50m x 70mm wide
- 5) White cladface tape 50m x 70mm wide

Note: Black and white class O tapes are the only compatible tapes for the black and white lacquered foils that are guaranteed to stick. Cladface tape is made from the same materials and has a fully external/water resistant adhesive applied.



APPLICATION DETAIL

GIS-FACED SLAB is a multi application solution for fire & acoustic requirements within the construction envelope.

- In voids between steel structural beams (RSJ or I Beams) and building structures.
- In voids within ceilings to maintain the integrity of party walls or partitions.
- Fitted between timber joists between floors to meet the fire and acoustic requirements on upgrades.

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.

FITTING

GIS-FACED SLAB is simple to install on site and can arrive pre cut to save site time.

The product must be fitted under compression of 5-10% thus the void size must be measured and then the extra for compression added.

Contact:
sales@gisuk.co
Tel: 01827 219327

Address:
William Nadin Way, Swadlincote,
Derbyshire, DE11 0BB

Available in below as standard in 1200mm x 600mms slabs (Other sizes available P.O.A)

Density	Thickness (mm)						
	25	30	40	50	60	75	100
33kgm ³				✓	✓	✓	✓
45kgm ³	✓	✓	✓	✓	✓	✓	✓
60kgm ³	✓	✓	✓	✓	✓	✓	✓
100kgm ³	✓	✓	✓	✓	✓	✓	✓
128kgm ³	✓	✓	✓	✓			
140kgm ³	✓	✓	✓	✓	✓	✓	✓
200kgm ³	✓	✓	✓	✓	✓	✓	✓

	Thickness	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz
32kgm ³	40S	0.19	0.46	0.79	0.92	1.00	1.00
	100S	0.57	1.00	1.00	1.00	1.00	1.00
45kgm ³	25S	0.10	0.30	0.58	0.79	0.97	1.00
	75S	0.41	0.93	1.00	1.00	1.00	1.00
	100S	0.71	1.00	1.00	1.00	1.00	1.00
60kgm ³	25S	0.08	0.30	0.62	0.84	1.00	1.00
	75S	0.50	1.00	1.00	1.00	1.00	1.00
80kgm ³	75S	0.53	1.00	1.00	1.00	1.00	1.00
100kgm ³	25S	0.09	0.30	0.75	0.93	1.00	1.00
	50S	0.32	0.91	1.00	1.00	1.00	1.00
128kgm ³	50S	0.34	0.85	1.00	1.00	1.00	1.00
140kgm ³	50S	0.33	0.82	1.00	1.00	1.00	1.00
200kgm ³	50S	0.46	0.79	0.95	0.99	1.00	1.00