

Lamella Firebreak

Date: 19/01/2021

Reference: 23

Issue: 1

GIS Lamella Firebreak is manufactured from rock mineral wool. The standard product is supplied un faced in various thicknesses, slabs are also available with a water repellent additive. (For more product data see table overleaf).

APPLICATION

GIS Lamella Firebreak is used for a wide range of fire and acoustic insulation applications in buildings.

DURABILITY

GIS Lamella Firebreak is odourless, non-hygroscopic, rot proof, does not sustain vermin and will not encourage the growth of fungi, mould or bacteria.

ENVIRONMENTAL

GIS Lamella Firebreak is free from CFCs, HCFCs and any other material with ozone depletion potential in their manufacture and content and represent no known threat to the environment.

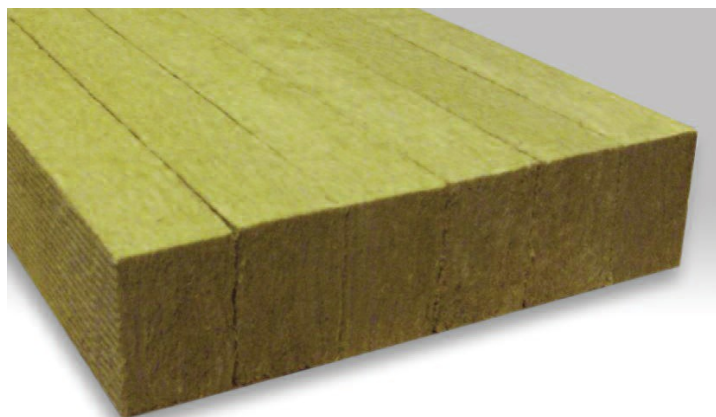
GIS Lamella Firebreak has a global warming potential of less than 0.

FIRE PERFORMANCE

GIS Lamella Firebreak is classified as EUROCLASS A1 to BS EN ISO 13501-1, non-combustible to BS 476: Part 4: 1970 (1984), Class 1 Surface Spread of Flame to BS 476: Part 7 1997 and Class 'O' to the Building Regulations.

MOISTURE RESISTIVITY

GIS Lamella Firebreak is non-wicking when tested to BS 2972: 1989: Section 12. When exposed to 90% relative humidity at 20° C, **GIS Lamella Firebreak** absorbs less than 0.004% of moisture.



VAPOUR RESISTANCE

GIS Lamella Firebreak has a vapour resistivity of 7.00 MN.s/g.m.

HANDLING & STORAGE

GIS Lamella Firebreak is easy to handle and install, being lightweight and easy to cut to size.

GIS Lamella Firebreak is supplied in packs on pallets. For longer term outside storage (stock or site) the pallets should be stored under a secure waterproof covering.

GIS Lamella Firebreak should not be left permanently exposed to the elements.

PRODUCT DATA

GIS Lamella Firebreak slab has a thermal conductivity of 0.040 W/mK.

GIS Lamella Firebreak slab is classified as EUROCLASS A1 to BS EN ISO 13501-1.

STANDARDS

GIS Lamella Firebreak is made from non-combustible inorganic rock wool, defined as mineral wool in BS 3533:1981.

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Properties	Symbol	Description/Data						Unit	Test Method/ Standards
Reaction to Fire	-	Non-Combustible, A1						-	EN 13501-1
Thermal Conductivity in Relation to Temperature*	-	50	100	150	200	250	300	°C	EN 12667
	λ	0,044	0,054	0,067	0,083	0,104	0,130	W/(m-K)	EN 12667
Maximum Service Temperature	ST(+)	300**						°C	EN 14706
AS-Quality*	-	< 10						ppm	EN 13468
Water Vapour Diffusion Resistance Value	S_d	> 100						m	EN 12086
Water Absorption*	W_p	< 1,0 (WS1)						kg/m ²	EN 1602
Melting Point of Fibres	-	> 1000						°C	DIN 4102-17
Silicone Free	-	Produced without addition of Silicone Oil							
Designation Code	-	10.02.02.30.04						-	AGI Q 132
	-	MW-EN14303-T5-ST(+) 300-WS1-MV1-CL10						-	EN 14303

*VDI 2055 monitored

**aluminium side < 80°C