

Thermafire

A2 Foil Faced Slab - 2 sided

Technical Data Sheet



Thermafire A2 Foil Faced Slab 2 Sided is a 'limited combustibility' product intended for use as both thermal and acoustic insulation.

It can be used at spandrel panel locations within glazed curtain wall systems as well as a myriad of other applications.

The product which is foil faced on both faces, is available in various densities and thicknesses, and addresses fire safety requirements (Approved Document B) whilst facilitating thermal resistance values (Approved Document L) and providing resistance to the passage of sound synonymous with stone mineral wool insulation (Approved Document E).

FEATURE	BENEFIT
Reaction to Fire A2-s1,d0 according to BS EN 13501-1	Deemed 'limited combustibility', can be used in all construction locations
Range of thicknesses (50 to 250mm)	Permits design of thermal performance to suit the construction
Range of densities (33, 45, 60, 80, 100kg/m³)	Permits adjustment of thermal and/or acoustic properties
Foil Facing	Provides an effective vapour barrier and prevents fibre migration
Bespoke sizes available	Project specific designs can be made without generating waste on site
Standard 1200 x 600mm slabs can be cut to size on site	Flexibility to suit site needs

Management Systems

Certified as meeting the requirements of ISO 9001, ISO 14001, ISO 45001.

NBS

Our products can be found on NBS Source.

Storage

Keep dry during storage and delivery. Products should be stored away from the elements until ready for installation.

Installation

Dependent upon the OEM requirement or site specific detailing.

Operation

The product is intended to be static post installation. There is no operator involvement in its use.

Maintenance

The products intended use and design, along with its often-inaccessible location post construction, means there are no maintenance requirements.



PHYSICAL PROPERTIES

Length	Width	Density	Thickness
1200mm	600mm	33-100kg/m³	50-250mm

Bespoke sizes available upon request

Facing	Foil-faced both sides										
Reaction to Fire Classification (BS EN 13501-1:2018)	A2-s1,d0										
Thermal Conductivity (W/mK)	<table> <tr> <td>33kg/m³</td><td>0.037</td></tr> <tr> <td>45kg/m³</td><td>0.035</td></tr> <tr> <td>60kg/m³</td><td>0.034</td></tr> <tr> <td>80kg/m³</td><td>0.034</td></tr> <tr> <td>100kg/m³</td><td>0.034</td></tr> </table>	33kg/m³	0.037	45kg/m³	0.035	60kg/m³	0.034	80kg/m³	0.034	100kg/m³	0.034
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100kg/m³	0.034										
Thermal Resistance (m²K/W)	Dependent upon the overall product thickness. Ask our technical team for this information										
Field of Application	Classification valid for: - Fire to foil side - Product thickness 50-250mm - All product dimensions - Horizontal and vertical joints - Mineral wool density 33-100 kg/m³ - A1* or A2-s1,d0 substrate with a minimum density of 337.5kg/m³ - Any end use metal substrate melting point equal to or greater than 500°C - Valid for any wooden-based substrate with a density of at least 337.5 kg/m³ - Valid free standing without any substrate										

* Decision 96/603/EC (Class A "no contribution to fire") includes glass, heat strengthened, chemically toughened, laminated and wired.