Thermafire
A2 Foil Faced Slab - 2 sided

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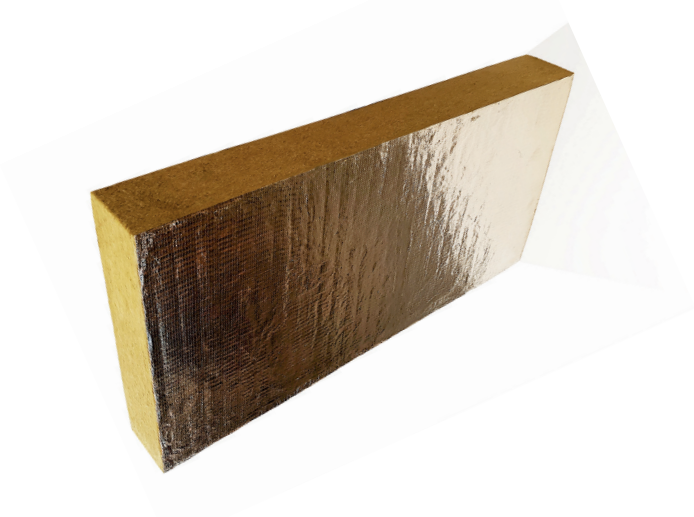
FIRE · ACOUSTIC · THERMAL SOLUTIONS

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

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)	33kg/m³ 0.037 45kg/m³ 0.035 60kg/m³ 0.034 80kg/m³ 0.034 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.

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

NBS
Our products can be found on NBS Source.

Storage and Handling
- keep the product dry and undercover
- suitable handling equipment will be required for bulky products or pallets
- DO NOT stack products or pallets as these will become unstable

Health & Safety
- dry working by cutting or handling non-encapsulated products may release fibre dust
- use suitable PPE for site hazards
- where possible use on tool dust extraction with HEPA filter
- "Machine Made Mineral Fibre" the primary material has workplace exposure limits in HSE EH40

Packaging & Product Disposal
- pallets can be readily re-used
- pallet wrap / covers should be placed in an appropriate waste stream
- the product remains in the construction until refurbishment or demolition as such the project lead should apply the contemporary national and local regulations for waste

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.

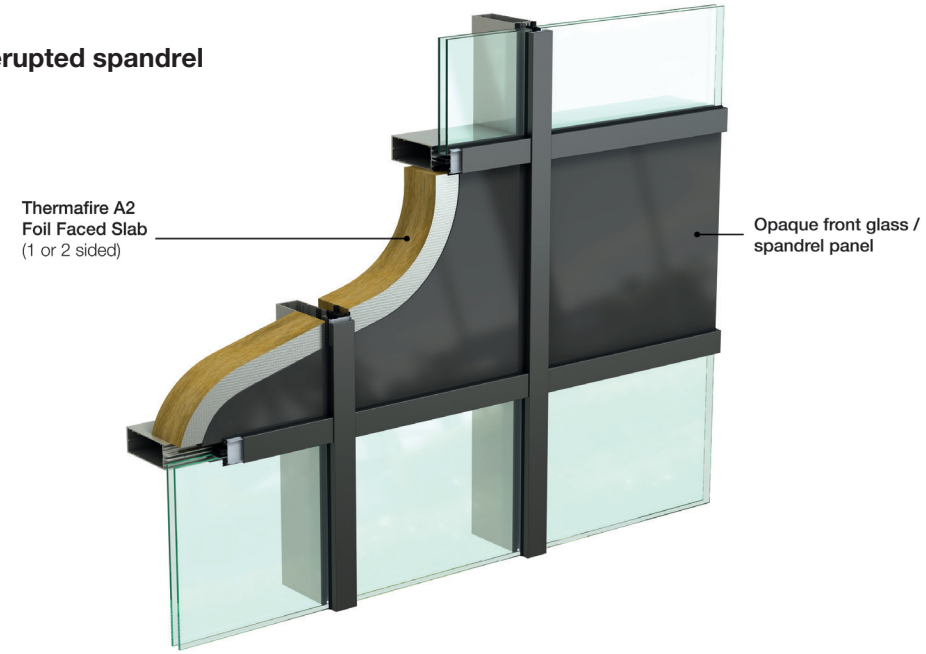
Maintenance
The products intended use and design, along with its often-inaccessible location post construction, means there are no maintenance requirements.

Specific Application:
INSULATED GLAZED SPANDREL PANEL

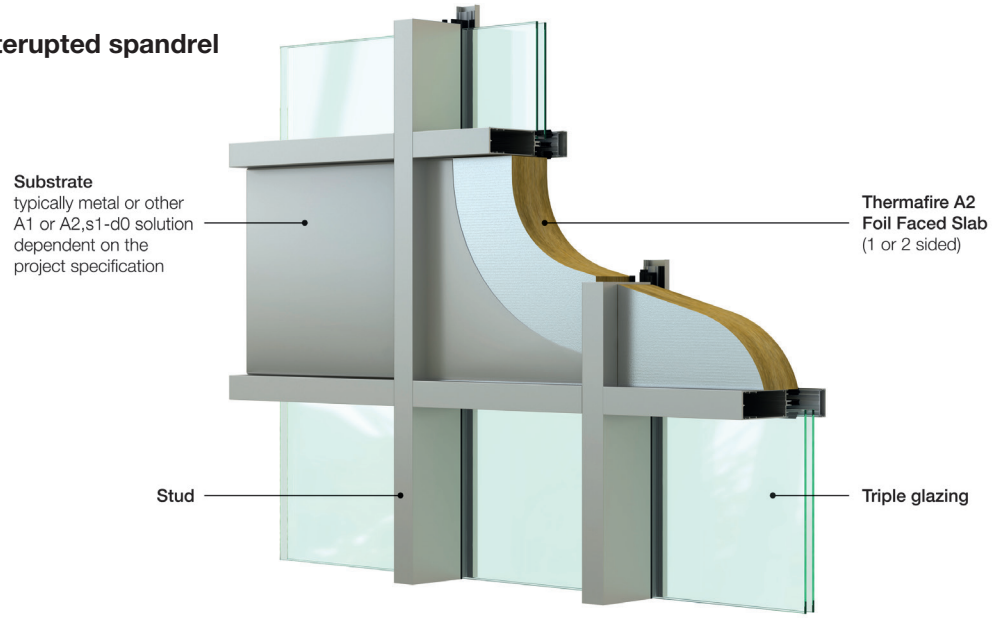
Mayplas Thermafire A2 Foil Faced Slabs offer fire, acoustic and thermal performance all in one solution.
Suitable for use in a wide range of construction applications including spandrel panel locations in curtain wall systems.
Available in a variety of densities and thicknesses to suit the project site requirements.

Further for information and advice contact
sales@mayplas.co.uk

Typical Insulated Glazed Spandrel Panel
FRONT ELEVATION
External view of an uninterupted spandrel



Typical Insulated Glazed Spandrel Panel
REAR ELEVATION
Internal view of an uninterupted spandrel



Images intended for illustrative purposes only.

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