

# Thermafire A2 Foil Faced Slab - 1 sided

## Technical Data Sheet



**Thermafire A2 Foil Faced Slab 1 Side 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, available in various densities and thicknesses, 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	Deemed 'limited combustibility', can be used in all construction locations
Range of thicknesses (25 to 250mm)	Permits design of thermal performance to suit the construction
Range of densities (45, 60, 80, 100kg/m <sup>3</sup> )	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

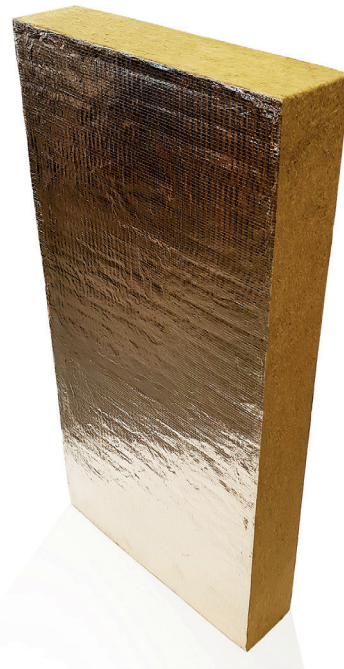
Dependent upon the OEM requirement or site specific detailing.

### 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	45-100kg/m <sup>3</sup>	25-250mm

Facing	Foil-faced 1 side
Reaction to Fire Classification (BS EN 13501-1:2018)	A2-s1,d0
Thermal Conductivity (W/mK)	45kg/m <sup>3</sup> 0.035 60kg/m <sup>3</sup> 0.034 80kg/m <sup>3</sup> 0.034 100kg/m <sup>3</sup> 0.034
Thermal Resistance (m <sup>2</sup> K/W)	Dependent upon the overall product thickness. Ask our technical team for this information
Field of Application	Classification valid for: - Fire to foil side - Without air gap/void - Product thickness 25-250mm - All product dimensions - Horizontal and vertical joints - Mineral wool density 45-100 kg/m <sup>3</sup> - A1* or A2-s1,d0 substrate with a minimum density of 525 kg/m <sup>3</sup> - Any end use metal substrate melting point equal to or greater than 500°C

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