# **Thermafire A2 Soffit**



# Technical Data Sheet



# Mayplas Thermafire A2 Soffit provides thermal and acoustic insulation within the soffit at the party wall junction.

An A2-s1,d0 limited combustibility slab, foil faced on both sides, is available in various densities and thicknesses, 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 (100 and 150mm)	Permits design of thermal performance to suit the construction
Foil Facings	Provides an effective vapour barrier and prevents fibre migration
Standard 600 x 600 slabs can be cut to size on site	Flexibility to suit site needs

# PHYSICAL PROPERTIES

Dimension of finished product	Length	Width	Thickness		
	600mm	600mm	100mm		
	600mm	600mm	150mm		
Facing		Foil-faced both sides			
Thermal Conductivity (W/mK)		0.035			

# FIXINGS

Mayplas can supply fixings for Thermafire A2 Soffit.

These consist of the fixing suitable for both masonry and timber frame applications and a 50mm outside diameter washer (sold separately).

Fixing length should allow for a minimum 35mm substrate embedment.

Insulation thickness	Minimum Length of fixing	Minimum Diameter of fixing
100mm	140mm	6.3mm
150mm	200mm	6.3mm



Thermafire A2 Soffit fitted to a masonry construction by others



Thermafire A2 Soffit fitted to a timber construction by others

#### **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.

#### **Field of Application**

Valid for any wooden-based substrate with at least density of 337.5 kg/m<sup>3</sup>. Valid free standing without substrate

#### 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 ofteninaccessible location post construction, means there are no maintenance requirements.

### INSTALLATION

- Thermafire A2 Soffit is designed to be cut on site to ensure an accurate cut to fill the full soffit void at the party wall, as per the illustration.
- Start by measuring the dimensions area to be filled.
- Add a tolerance of at least 5mm to all cut dimensions to create a tight fit.
- · Cut with a suitable insulation knife including the extra tolerance.
- Fit the cut slab into place adjusting position to create the tightest fit.
- A minimum overlap of 75mm needs to be achieved between the thickness of the Thermafire A2 Soffit and the Party Wal Head Barrier interface to compartmentalise the soffit.
- Secure through the product to the timber truss or masonry block using the correct length of fixing for the width of product. These can be fixed manually or driven home using a hammer drill.

#### NOTE:

The product must fully fill the soffit with no gaps remaining.





www.PerformanceTechnologyGroup.com

MPORTANT: The information provided within this document is believed correct and to the best of our available knowledge as at its revision date. The information should only be used as guidance for safe handling, use, processing, storage, transportation and disposal and should not be considered as obligation in respect of awaranty of (technical) performance, quality (specification) or suitability for any particular application. It is strongly recommended that prospective users test a sample of product under their own conditions to satisfy themselves of its suitability for an intended purpose and that expert advice be sought where different applications are contemplicated, or where the extent of any application is in doubt. Due to our policy of continuous improvement we reserve the right to alter or amend published specification or design without prior notice. Reproduction of any part of this publication in any manner is not permitted without our prior written consent.

MPORTANT: The information provided within this document is believed