

STONESHIELD Soffit Slab

Technical Data Sheet

Issue Number: 1



STONESHIELD Soffit Slab made from stone mineral wool provides fire-stopping thermal and acoustic insulation within the soffit at the party wall junction.

PRODUCT

Stoneshield Soffit Slab is foil faced on both sides, and available in various 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). It is designed to fill the void within the soffit.

STONESHIELD Soffit Slab complies with building regulations for fire stopping at the pitched roof party wall detail, as well as NHBC 7.2.16.

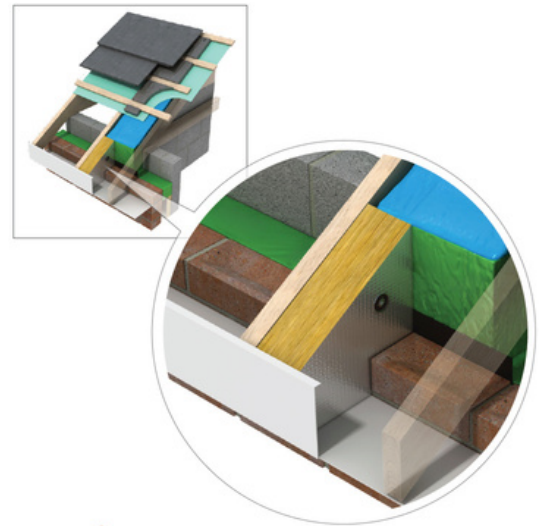


Illustration of a STONESHIELD Soffit Slab fitted to a masonry construction by others

FEATURE	BENEFIT
Foil facings applied with a heat roller	Clean finish, no additional adhesive used
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 500 slabs can be cut to size on site	Flexibility to suit site needs

Physical Properties

Dimension of finished product	Length	Width	Thickness
	600mm	500mm	100mm
	600mm	500mm	150mm

Facing	Foil-faced both sides
Thermal Conductivity (W/mK)	0.037

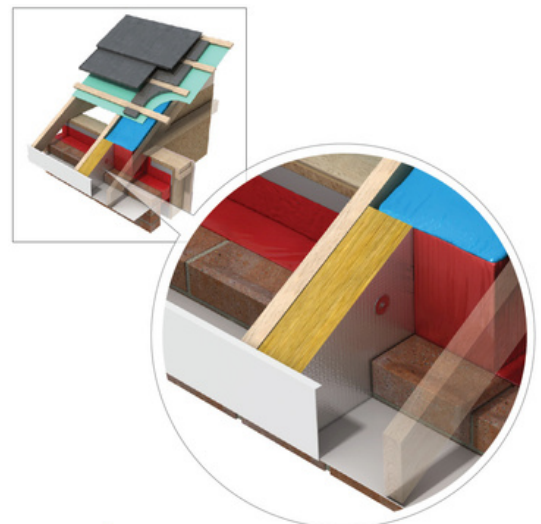


Illustration of a STONESHIELD Soffit Slab fitted to a timber construction by others

Fixings

Lancaster Insulation do not supply fixings for STONESHIELD Soffit Slab.

Please use a suitable proprietary fixing suitable for use with timber applications, with an oversized head which will secure the Soffit Slab tightly against the truss. See illustration.

Fixing length should allow for a minimum 30mm substrate embedment.

Insulation Thickness	Minimum Length of Fixing	Minimum Diameter of Fixing
100mm	130mm	6.3mm
150mm	180mm	6.3mm

Installation

- STONESHIELD Soffit Slab 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 STONESHIELD Soffit Slab and the fire stop on top of the spandrels 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.

Management Systems

Certified as meeting the requirements of ISO 9001

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

Installation

See installation guidelines above.

Operation

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

Maintenance

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

Health & Safety

- Dry working by cutting or handling non-encapsulated products may release fibre dust
- Use suitable PPE for site hazards including the wearing of gloves.
- 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.

