

Soffit Slab



fire stopping
within the soffit

key features

- » Up to 60 mins fire integrity
- » Provides fire stopping within the soffit at the party wall junction
- » One size fits most roof pitches and soffit dimensions
- » Manufactured from foil faced mineral wool
- » Third party certificated by IFC



Application

The ARC Soffit Slab is designed to fill the void within the soffit, providing a fire and thermal barrier between dwellings. The barrier is manufactured from rockfibre mineral wool, with a foil facing.

Installation

The person installing the ARC Soffit Slab should first familiar themselves with this datasheet, ensuring the correct product is being fitted into the cavity.

ARC Soffit Slab is designed to be cut to size to fill the void within the soffit at the party wall location. The product must fully fill the soffit with no gaps remaining, and it is recommended that the slab is fixed using supplied fixing to provide extra support in the event of a fire.

- » Measure the size of the soffit at the party wall junction, taking the roof pitch and brick height into account. We recommend adding 5mm to your measured dimensions to ensure that the product will hold in place with a tight fit.
- » Take the square Soffit Slab and cut it to size using the measurements with the additional 5mm, ensuring the slab will completely fill the soffit.
- » Push fit the slab into place allowing for a minimum 75mm overlap with the party wall leaf. There should be no gaps remaining around the Soffit Slab once it is closed in.
- » Secure through to the timber batten using the helical fixing supplied. These can be fixed manually using a conventional hammer or driven home using a hammer drill with an SDS adapter.
- » Care should be taken when handling the product to ensure that the mineral wool isn't damaged.

Don't take our
word for it, see our
certification...



Certificate Number 19310
ISO 9001, ISO 14001
ISO 45001



Fire Properties

ARC Soffit Slab has been fire tested in accordance with the principles given in EN1366-4, achieving 60 minutes fire integrity and 15 minutes insulation within a masonry construction. Real world performance may be affected by the fire performance of supporting and abutting elements, for example a PVC soffit.

ARC Soffit Slab is third-party certificated by IFC Certification. IFC's product certification is designed to give confidence to architects, specifiers, contractors, users, occupiers and owners that products have been thoroughly and independently evaluated, and will continue to be manufactured to the same specification as originally tested. Certificates can be verified and downloaded from IFCC's website.

IFC certificate number: IFCC 1959

Test reports and material datasheets are all available upon request.

Standards

ARC Soffit Slab is manufactured using rockfibre mineral wool which achieves a fire classification of Euroclass A1 as defined in BS EN 13501-1.

ARC's rockfibre mineral wool insulation has a thermal conductivity of 0.037W/mK.

Fixing

ARC Soffit Slab has been fire tested without fixings, and when installed into a non combustible substrate can achieve the fire performance shown held only by its own compression. Because a PVC soffit will deform and ultimately melt or burn in the event of a fire, it is recommended to use the fixing to provide extra stability to the cavity barrier.

The supplied helical fixing can be used, however where this is not practical due to detail variation, any alternative non-combustible fixing can be used to provide a secure, mechanical fix through the ARC Soffit Slab into the timber batten behind.

Storage and Packaging

ARC Soffit Slabs are supplied in polythene packs which are designed for transporting and protecting the products. It is not recommended that the packs are stored in direct sunlight. When storing the barriers for longer periods of time it is recommended that the product should be stored indoors, or under cover. Cover cavities and products at night or in bad weather.

Environment

No CFCs or HCFCs are involved in the manufacturing process of ARC's rockfibre mineral wool insulation. ARC Soffit Slab has a Green Guide rating of A+.

This product can be disposed of via landfill; preferably, the product should be returned to ARC Building Solutions so that the waste can be separated and recycled accordingly.

Health and Safety

ARC Building Solutions has an approved Health and Safety Policy and is committed to working and supplying products safely. ARC's rockfibre mineral wool is not classed as a possible human carcinogen. We have assessed products as required by Substances Hazardous to Health Regulations (COSHH). An ARC Material Safety Datasheet (MSDS) is available upon request.

Standard Dimensions & Packaging Specification

Product Code	Dimensions	Fire performance		Pack Qty	Packs per Pallet	Suitable fixing
		Integrity	Insulation			
SSL100/600/500*	100 x 600 x 500mm			8	10	SSLFIXING145
SSL150/600/500+200FIX	150 x 600 x 500mm	60 minutes	15 minutes	6	8	SSLFIXING200

*This part number is not covered by the scope of ARC's fire testing and does not come with a fire resistance rating. It is manufactured from non-combustible mineral wool.

Product Code	Dimensions	Suitable fixing
SSLFIXING145	145mm	100mm
SSLFIXING200	200mm	150mm

Typical Detail Example

Please find a detail drawing for typical details where the Soffit Slab has been installed.

