

ARC SOFFIT SLAB

Fire barrier to fill the void at the soffit detail

- » Up to **180 mins** fire integrity and **60 mins** insulation
- » 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



Third Party
Certificated



Exceeds Performance
Requirements



Fire
Product



Excellent Thermal
Properties



NBS Source
PARTNER

IFC Certification
✓✓✓

Application

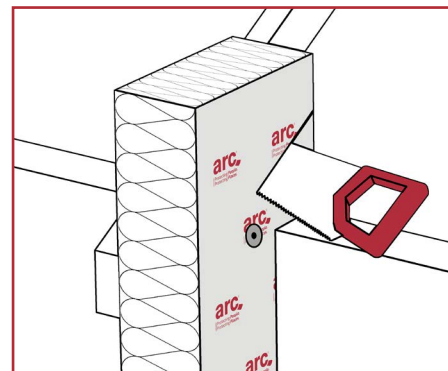
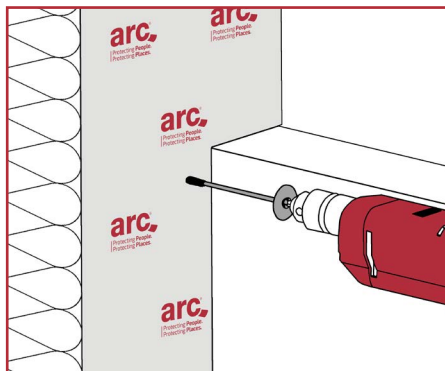
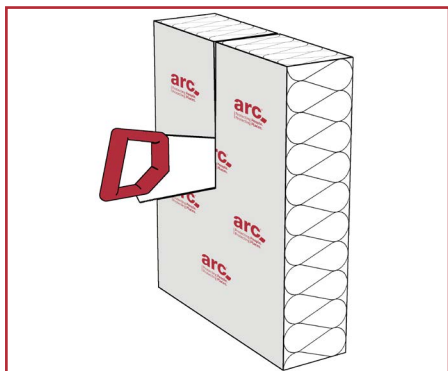
The ARC Soffit Slab is designed to fill the void within the soffit, providing a fire and thermal barrier between dwellings. The barrier is manufactured from rockfibre mineral wool, with a foil facing.

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 fixings 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. To conform with our testing for the standard Soffit Slab, 5mm should be added to the measured soffit slab dimensions. No additional material is required for the Soffit Slab Plus.
- » Take the Soffit Slab and cut it to size, 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 construction using the fixings supplied. These can be installed using a screwdriver.



Key Stats

Third-party certification	IFC certificate number: IFCC 1959
Insulation	Non-combustible rockfibre mineral wool
Thermal conductivity	0.037W/mK
Fire Resistance (Integrity)	Up to 180 minutes
Mass	Data available on request

Fire Properties

The ARC Soffit Slab and ARC Soffit Slab Plus has been fire test in accordance with the principles given in EN1366-4. The Soffit Slab achieved 60 minutes fire integrity and 15 minutes insulation. The Soffit Slab Plus achieved 180 minutes integrity and 60 minutes insulation, both tests were conducted 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.

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 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 rafter behind.

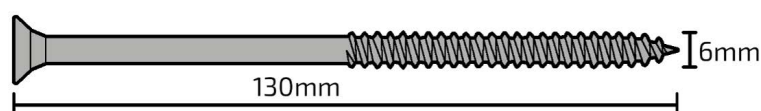
Product Specifications

Product Code	Product Size	Masonry Fire Performance		Pieces per Pallet	Suitable Fixing
		Integrity	Insulation		
SSL150/600/500+FIX	150 x 600 x 500mm	60 minutes	15 minutes	48	SSLFIXING180
SSLPLUS100/600/600+FIX	100 x 600 x 600mm	180 minutes	60 minutes	80	SSLFIXING130

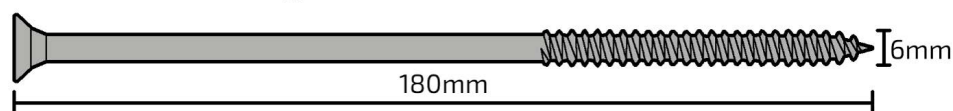
Fixing Specifications

Product Code	Suitable Fixing	Fixing Dimensions	Fixings Included?
SSL150/600/500+FIX	SSLFIXING180	6.0 x 180mm	Yes
SSLPLUS100/600/600+FIX	SSLFIXING130	6.0 x 130mm	Yes

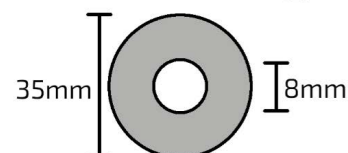
Each fixing comes with a washer which has a 35mm external diameter, an 8mm internal diameter, and is 1.2mm thick.



SSLFIXING130 ⚙ PZ3 Driver Bit



SSLFIXING180 ⚙ PZ3 Driver Bit



SSLWASHER - 35mm External, 8mm Internal

All performance claims can be evidenced on IFC certificates IFCC 1959.

Call our technical experts on 0113 252 9428 to discuss your requirements.

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.

Non-Standard Applications

Specifiers must ensure all construction elements that make up part of the internal or external leaf of the wall, including support systems, are suitable for use with a cavity fire barrier for the length of fire integrity and insulation required. Particular attention must be paid to any possible deflection or distortion which could cause gaps to form between the construction and any fire barrier installed.

In the event of a fire, ARC Building Solutions Ltd cannot accept liability for failure where usage is outside of the standard application, including but not limited to, where deflection or distortion has allowed gaps to form around the barrier, or where the barrier is not fitted in accordance with the manufacturer's guidelines.

Storage & Packaging

ARC Soffit Slab is 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 especially during inclement weather or overnight.

Health & Safety

At ARC Building Solutions, safety is a top priority, both in how we work and the products we supply.

We've carefully assessed the materials we use, and we're pleased to say our rockfibre mineral wool isn't classed as a possible carcinogen. This means that, in line with UK regulations, our products don't require a safety data sheet.

Our products have no hazardous classifications under UK REACH and GB CLP regulations when it comes to physical, health, or environmental risks.

As always, we recommend following the product instructions when handling and installing ARC products. If you'd like more information on our approach to health and safety as a whole, just ask us for a Safety Data Sheet (SDS).

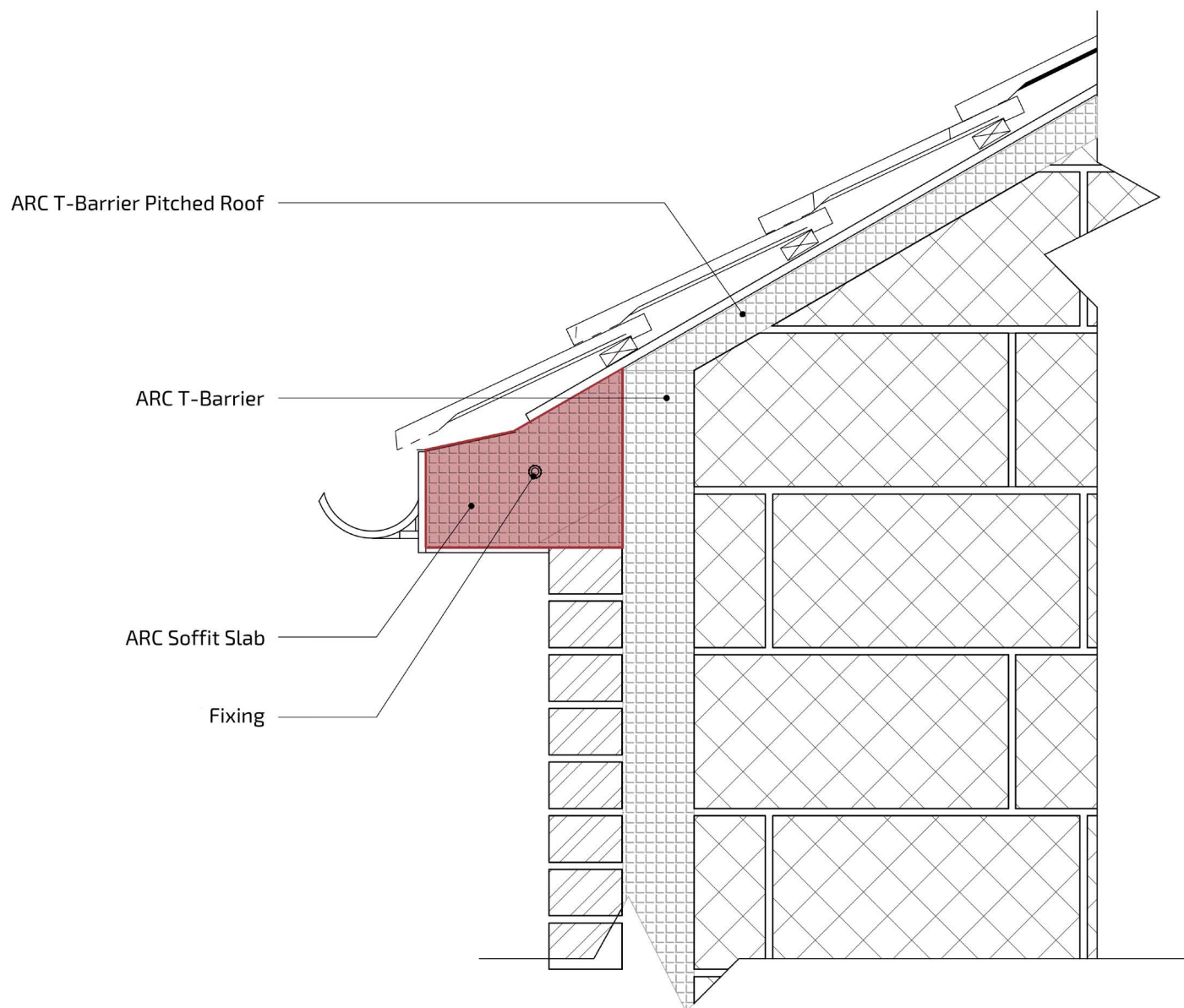
Environment

No CFCs or HCFCs are involved in the manufacturing process of ARC's rockfibre mineral wool insulation. Additionally, the mineral wool 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.

Typical Detail Example

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



Any information provided within this document is intended for guidance only. Expert technical advice should be sought before specification or installation of any product. It is of particular importance to ensure that any fire barrier or fire stopping product is tested for use with the exact application intended. ARC Building Solutions Ltd cannot accept liability for failure where usage is outside of the standard application, including but not limited to, where deflection or distortion has allowed gaps to form around the barrier, or where the barrier is not fitted in accordance with the manufacturer's guidelines. Due to the protective polythene, the product as a whole cannot be classified as A1 non-combustible.

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