A2 High Impact Soffit Liner Boards

Soffit liners to reduce heat loss.

AIM ACOUSTIC AND INSULATION MANUFACTURING

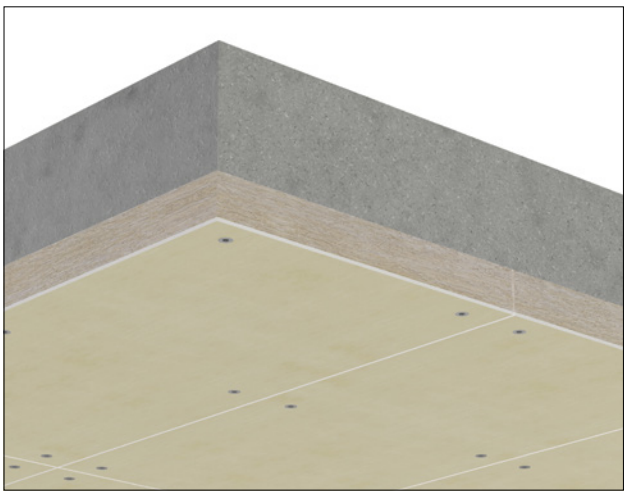
PRODUCT

AIM A2 High Impact Soffit Liner Boards offer excellent impact resistance and are used to provide an insulated lining to semi exposed soffits. They can also be used as internal linings for walls and ceilings.

They are available with a wide range of thicknesses of stonewool insulation backing.

The fibre cement facing board can be easily decorated to match design and colour schemes. However, decoration of the facing board would be outside of the scope of the classification for reaction to fire.

Pre-decorated and through coloured facing boards are available but these have not been classified for reaction to fire.



Example product installation schematic using materials by others

APPLICATIONS

Suitable for use with concrete soffits where a thermal or acoustic performance is required.

FEATURES

- Standard sizes ranging from 56mm to 256mm
- 6mm high impact facing boards
- Non standard sizes also available.
- Euroclass Reaction to Fire A2-s1,d0.

BENEFITS

- Can help achieve thermal performance of the construction.
- Thicknesses to suit the thermal resistance (U Value) required.
- Choice of insulation materials to suit the thermal resistance required.
- Provides protection to the underside of soffits, especially in car parks.
- Mineral fibre backed boards can contribute to the overall acoustic performance of the soffit / floor construction.

PHYSICAL INFORMATION

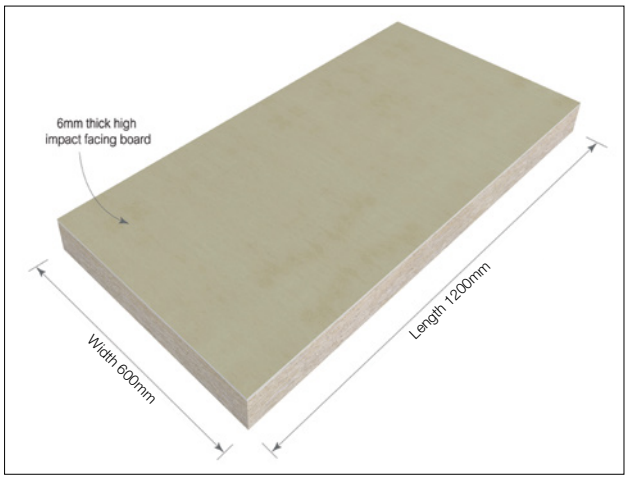
- Manufactured from a stone wool insulation slab, conforming to BS EN 13162, bonded to fibre cement board.
- Suitable for semi exposed applications.
- The stonewool insulation backing is available in standard sizes of 50, 60, 75, 100, 130 and 160mm. Non standard sizes ranging from 50 through to 250mm are available as custom manufacture.
- High Impact rigid cement board facing:
  - 6mm thick.
  - 1200 x 600mm.
  - Special sizes available on request.
  - Cement Board in conformance with EN 12467.
  - Euroclass A1 Non-combustible to EN 13501-1.
  - Fully external grade / frost resistant.
- AIM A2 High Impact Soffit Liner Boards are supplied stretch wrapped onto pallets with a showerproof polythene pallet cover and edge protection.

Decoration

The facing of AIM A2 High Impact Soffit Liner Boards can be painted without any special priming using an alkali resistant paint or emulsion. Two coats of paint will usually give a satisfactory finish. NOTE: paint may contribute to fire load. Application may decrease the products Reaction to Fire performance.

AS STANDARD

All AIM A2 High Impact Soffit Liner Boards are made to order.



OPTIONS

AIM are able to manufacture insulation building boards with tissue or foil facings for soffit applications that do not require a high impact board finish.

AIM are also able to manufacture High Impact Soffit Liner boards with a variety of insulation materials including Compression Resistant Rockfibre CRR), Extruded Polystyrene (XPS), Expanded Polystyrene (EPS), polyisocyanurate (PIR) and Phenolic (PHN) boards for thermal insulation applications only.

Please contact our sales office for further details.

Available faced with UHD decorative rock fibre board, suitable for fully exposed exterior cladding applications.

TEST REPORTS

There is no European harmonsied standard or British standard covering the manufacture, performance and specification of insulated fibre cement boards.

The insulation used is manufactured to the relevant standard for the product.

The Fibre Cement board is manufactured to EN 12467.

Acoustic testing is covered by Z11012 – Acoustic Performance BS EN ISO 10140-2.

AIM A2 High Impact Soffit Liner Boards manufactured with stonewool insulation are classified in accordance with BS EN 13501-1 as A2-s1,d0 “limited combustibility”. This applies to boards of a thickness from 56mm to 256mm. Test report WF547321 refers.

Please contact us for further details if required.

NBS Source PARTNER

AIM are partners with NBS. Our products can be found on NBS Source and have been authored to NBS specification standards and have both CAWS and Uniclass 2015 classifications.

TECHNICAL INFORMATION

Thermal Performance

U Value calculations for the project can be undertaken upon request.

Acoustic Performance

Mineral fibre backed boards can contribute to the overall acoustic performance of the soffit / floor construction.

In testing a 136mm thick, stone wool back High Impact Soffit liner board achieved a 34dB R_w reduction in sound transmission. Please contact AIM for further details.

Items required for installation

PPE abrasion resistant gloves

PPE impact resistant goggles

RPE dust mask - FFP3

Drill

Screwdriver

Tape measure

Skill Saw and TCT blade

INSTALLATION GUIDELINES

Fixing Direct to soffit

AIM A2 Soffit Liners may be fitted directly to a concrete soffit using suitable corrosion resistant fixings. We recommend using a pan-head screw fixing suitable for the substrate; hammer fixings and countersunk fixings are not recommended. Consideration should be paid to the suitability of the fixings in a fire situation and care should be taken when installing the Soffit Liner to prevent overtightening.

Fixings are set in at least 50mm from the board edges, at the four corners of the board and at 600mm maximum centres.

If the relative humidity of the area being lined is subject to significant variation, expansion gaps should be left between the boards to accommodate possible movement.

It may be possible to adopt a different fixing pattern dependent on the type of fixings used and the substrate in which the fixing is to be secured. Please seek advice from your nominated fixing supplier.

Where the AIM A2 High Impact Soffit Liner Board needs to be cut to size, a skill saw fitted with TCT blade and suitable dust extraction should be used along with the appropriate personal protective equipment.

Fixing Via Timber Battens

AIM A2 Soffit Liners may be fitted to the battens using suitable corrosion resistant fixings. We recommend using a pan-head screw fixing suitable for the substrate; countersunk fixings are not recommended. Consideration should be paid to the suitability of the fixings in a fire situation and care should be taken when installing the Soffit Liner to prevent overtightening. The battens should be fixed at 300mm centres for Compression Resistant Rockfibre, running down the length. The battens must provide at least 75mm bearing.

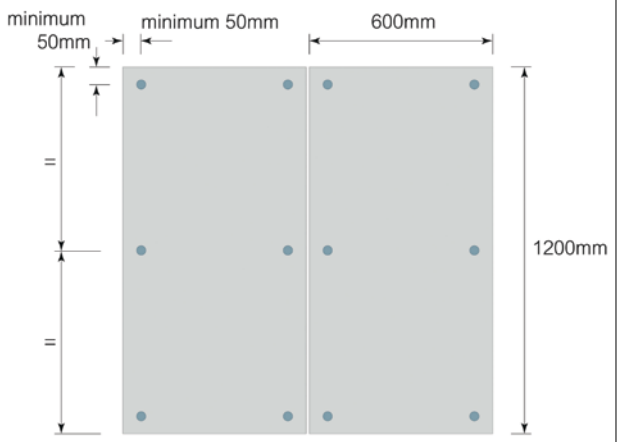
The Units are mechanically fixed to the battens by corrosion resistant fixings. The screws should be a pan head fixing installed with a controllable speed screw gun and not overdriven, to prevent undue compression of the insulation backing. We suggest avoiding any counter sunk fixings and hammer fixings. Please contact the sales office for more details.

It should be noted that this installation method is outside of the scope of both the classification report and the extended application report.

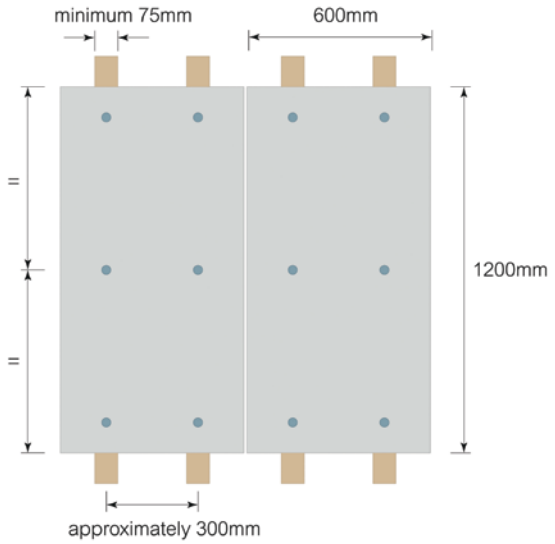
Where the AIM A2 High Impact Soffit Liner Boards are being attached to a framed backing, such as in the situation where they are being used to form a soffit under a trussed eave overhang, the framing must allow fixings at the centres specified above. Where this is not possible, or where there are problems with level alignment, a sub framing system needs to be used.

Fixing layout for 1200mm x 600mm AIM A2 High Impact Soffit Liner Boards

Fixing direct to soffit



Fixing via timber battens



This installation method is outside of the scope of both the classification report and the extended application report

GENERAL STORAGE AND HANDLING

- Suitable handling equipment will be required for bulky products or pallets.
- Products are supplied on wooden pallets with edge protection and a shower proof hood.
- Products should be stored away from the elements until ready for installation.
- Store on flat ground stacked no more than two pallets high.

INSTALLATION

- Please see earlier in this Datasheet.
- Printed copies of installation guidelines supplied with every order.
- Digital versions can be downloaded from our website www.aimlimied.co.uk.

OPERATION & MAINTENANCE

This product does not contain moving parts and, if undisturbed requires no routine inspections or maintenance.

DURABILITY

AIM A2 High Impact Soffit Liner Boards are chemically inert, will not sustain vermin and do not encourage the growth of rot, fungi, moulds or bacteria. They are compatible with all normal building materials. They do not degrade under the usual conditions found in buildings and will perform effectively for the life of the building.

HEALTH & SAFETY

- as an article there is no requirement for a Safety Data Sheet.
- follow appropriate material handling methods using suitable PPE for site hazards.
- dry working by cutting or drilling of:
  - non-encapsulated rock or mineral wool may release fibre dust (MMMF).
  - Cement boards may release respirable crystalline silica (RCS).
- “MMMF” & “RCS” have workplace exposure limits listed in HSE EH40.
- where possible use on tool dust extraction with HEPA filter.

ENVIRONMENT

Global warming potential = zero

AIM A2 High Impact Soffit Liner Boards are manufactured from a variety of insulation materials.

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 bearing in mind site and installation contaminants.
- For product recycling of Rockwool materials, please contact:
  - Rockwool T: 01656 868400
    E: recycling@rockwool.co.uk.

ORDERING

To order this product the following information will be required:

- Insulation board preferred.
- Insulation thickness or thermal resistance required.
- Board dimensions.
- Approximate quantity.
- Delivery location.

All AIM products are made to order. Products are typically supplied in seven to ten working days but lead times may vary depending on existing factory commitments.

There is no minimum order quantity or value although small orders may attract transport surcharges.

TECHNICAL SUPPORT

Technical Support is available from our experienced sales team on 01293 582 400 or technical@aimlimited.co.uk

ABOUT AIM

AIM are a quality insulation convertor with over 30 years experience in the design, testing & manufacturing of high quality fire barriers for customers worldwide.

VERSION CONTROL

Issue 2 - 09 2025

This document replaces and supersedes all previous versions.

The current version number can be verified at https://www.aimlimited.co.uk/downloads/ or call AIM on 01293 582400

AIM
ACOUSTIC AND INSULATION MANUFACTURING

T 01293 582400
E sales@aimlimited.co.uk
W www.aimlimited.co.uk