AIM

ACOUSTIC AND
INSULATION MANUFACTURING

BESPOKE INSULATION SOLUTIONS

FIRE · THERMAL · ACOUSTIC

AIM
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INSULATION MANUFACTURING

Delivering bespoke insulation products for fire, thermal and acoustic applications

Established in 1989, AIM specialises in bespoke insulation conversion, providing custom solutions in fire, thermal, and acoustic insulation, predominantly for the construction industry. Its range of building products has been extensively tested across various applications and building types and includes a comprehensive range of fire and cavity barriers for passive fire protection in the building envelope and internal structures.

Based in West Sussex, UK, AIM boasts a highly skilled team, advanced manufacturing facilities, and a robust network of carriers, enabling them to maintain their reputation for swift response and project turnaround.

AIM also manufactures specialised components to customer specifications for incorporation into their own systems or product offerings. AIM's products are used to construct, renovate, and extend all types of buildings, from individual houses to large-scale commercial developments.

Contact us

Getting in touch with AIM couldn't be easier…
For all technical, sales or order queries please contact us via

Phone: 01293 582 400
Email: sales@aimlimited.co.uk
Service Hours (Monday to Friday): 8.30am to 5.00pm

Products and services

AIM predominantly manufacture fire protection products suitable for cladding, roofing, building exteriors, and interiors. As an insulation converter, AIM has a supporting range of thermal and acoustic insulation products and manufactures bespoke products and OEM components tailored to precise customer needs.

Beyond manufacturing, AIM also works closely with architects, designers, installers, fire engineers, fire consultants, and site personnel to ensure seamless integration of its products into various projects. AIM offers comprehensive information, support, and training on its products.

AIM is equipped to handle major framework projects but is equally happy to fulfil even the smallest orders.

AIM support

AIM's experienced technical teams offer end-to-end support from the initial design and specification stage through to the installation phase. They are always on hand to provide technical information, presentations, training, and advice, ensuring that customers achieve the performance expected from their products. AIM's market-leading reputation stems from consistently delivering quality products and exceptional customer service, catering for all orders, big or small, with equal dedication.

Here to help you out

We know that delays can be costly which is why we strive to provide a technical, sales and supply service that is hard to beat. With speedy turn-around times for large and small orders, we can get materials to your site or depot rapidly, helping your project to keep going without any headaches!

- Fast turnaround of enquiries.
- Bespoke manufacture.
- Fire, thermal, and acoustic insulation products.
- Made-to-order service.
- We strive to help you out.
- Deliver direct to site.
- No order is too big or too small.
- Rapid delivery.
- We'll get you out of trouble.
- Tested and compliant product range.

Customer service and logistics

Our dedicated Customer Services team are on hand to ensure that our customers receive the ordered products at the time and manner agreed:

- Transport booked on the most cost-effective carrier for the customer's requirements.
- Liaison with the point of delivery to ensure any delays are minimised.
- Will liaise with customers and construction sites to rectify any issues should circumstances arise should the point of delivery change.
- Issue order confirmations.
- Proof of delivery documentation issued as required.
- Deliveries by parcel post and pallet service with full HGV capability.
- Working with FORS Bronze, Silver and Gold certified operators.
- We have a wide range of specialist vehicles available to us including moffets, flat bed artics and tail lift vehicles.
- We can deliver anywhere in the UK or around the world (subject to import / export regulations).
- Timed deliveries available, 24 hours a day if needed.

Technical support

Our technical sales team are trained to:

- Provide prompt solutions to technical queries
- Provide prices, quotations and details of lead times
- Process Orders
- Liaise with distribution over delivery dates, etc.

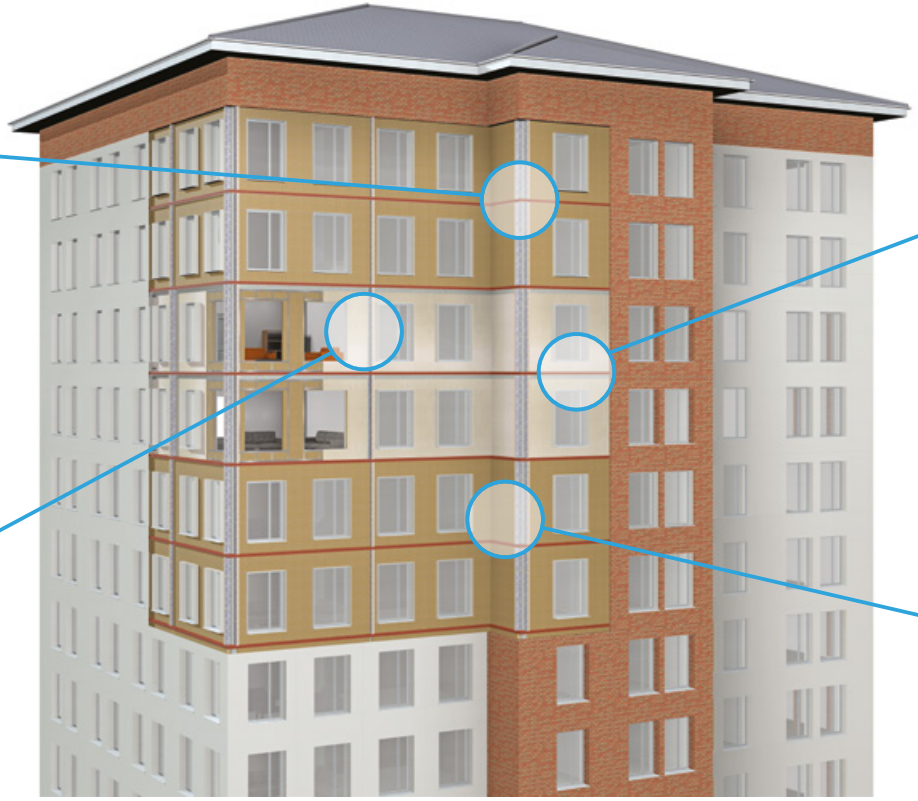
Training and CPD

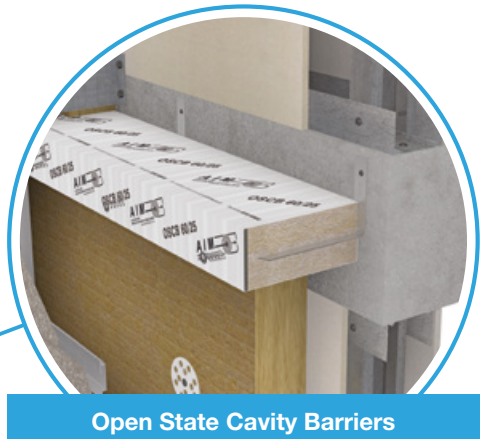
AIM support includes materials and product information and advice, training on product and installation and technical presentations in support of CPD. We have the capability to do this over the internet via Teams or Zoom, or in person at the customers offices or on site. We also have a fully equipped training room at our site in Sussex where we can run training sessions for groups up to 20 people.

- Support for specifiers
- Support for installers and on site
- Support for distributors and merchants

AIM | in high rise

Wall Cavity Barriers forming a vertical corner (Full Fill Cavity)





Open State Cavity Barriers at a horizontal compartment line (Ventilated Cavity)

Wall Cavity Barriers completing a vertical compartment line (Full Fill Cavity)

Wall Cavity Barriers and OSCB's working together at a compartment intersection and around a window

Example product schematics using materials by others. Images shown for illustration purposes only.

AIM | in high rise

AIM's Open State and Wall Cavity Barriers are vital defences against the rapid spread of fire and smoke through external wall cavities in high rise buildings. Their integration into the building envelope is vital for maintaining compartmentation and to help ensure the safety and integrity of the structure and its occupants in the event of a fire.

Wall Cavity Barriers

The AIM Wall Cavity Barrier is made from foil-faced, high-density, ROCKWOOL® stone wool and is designed for masonry cavity walls and curtain wall systems. The barrier prevents the passage of heat, flames, and smoke, preserving the integrity of the wall cavity for 30, 60 or 120 minutes during a fire. The barrier is typically used vertically within Rainscreen cladding system or both vertically and horizontally in masonry construction, sealing the cavity along compartmentation lines to ensure a continuous fire barrier in the building's outer leaf. AIM Wall Cavity Barriers are available either cut to size or in slab format for cutting on site.

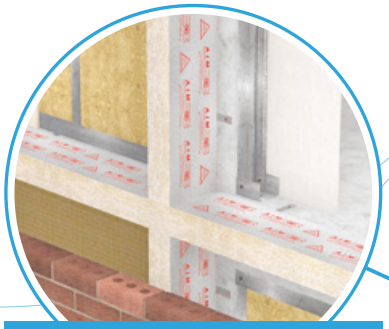
Open State Cavity Barriers (OSCBs)

AIM Open State Cavity Barriers (OSCBs) consist of polythene-sleeved ROCKWOOL® stone wool with an intumescent strip and are designed for use within cladding systems that require ventilation, such as rainscreen systems. They permit airflow and drainage under normal conditions while providing up to 120 minutes of fire integrity and insulation when activated by heat - which causes the intumescent material to expand and seal the cavity. The AIM OSCB range is suitable for cavities up to 425mm wide, with options for a 25mm or 44mm air gap.

Combined Solution

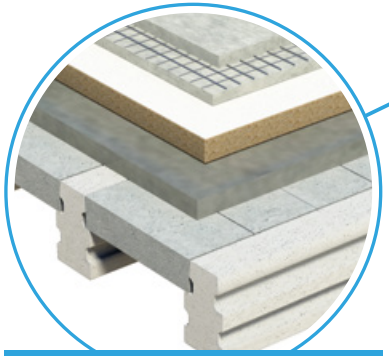
Wall Cavity Barriers and OSCBs can be used together at compartment intersections and around windows to ensure that both ventilated and non-ventilated cavities are adequately protected against the spread of fire within a building's walls.

AIM | in medium rise

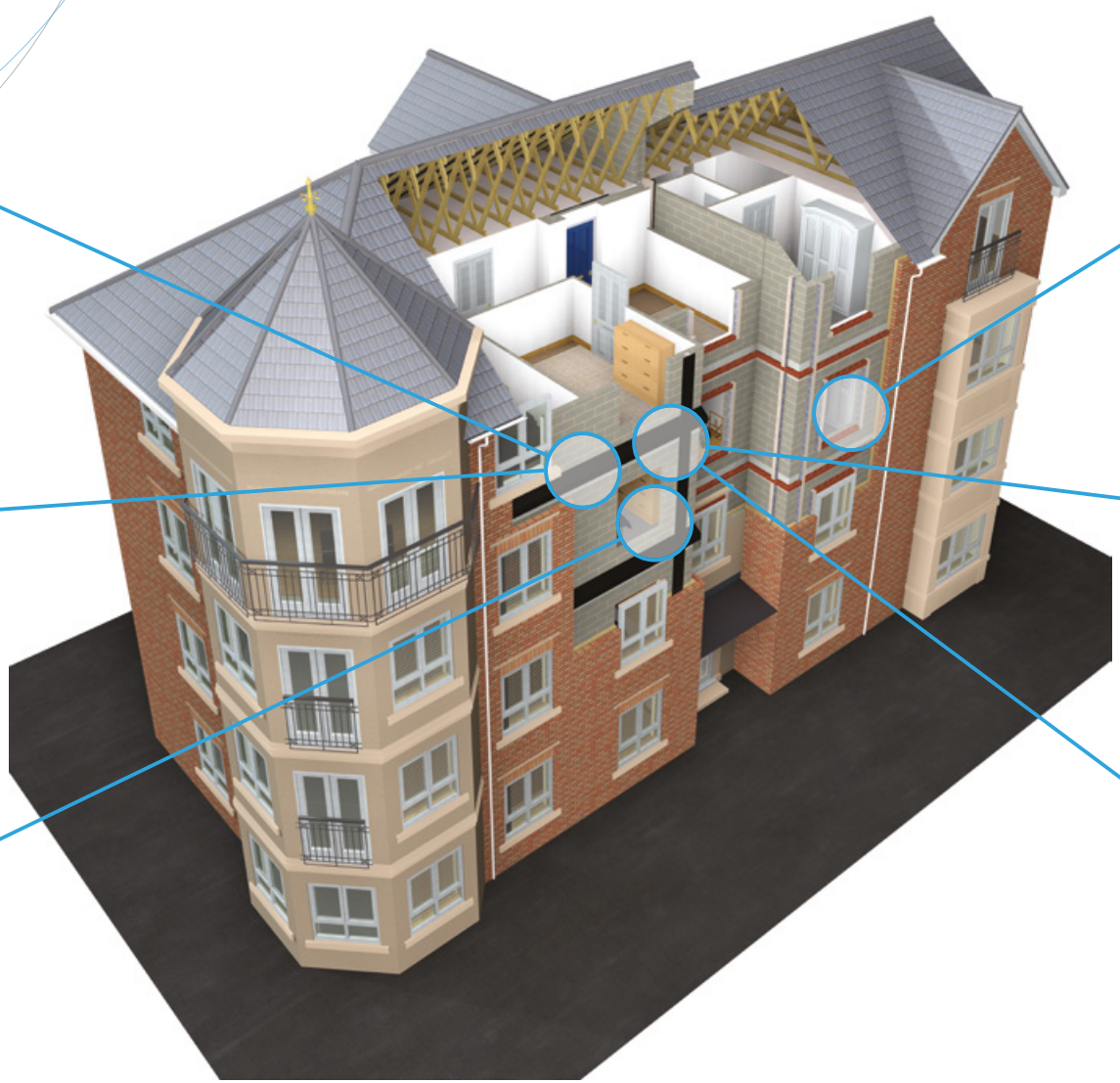


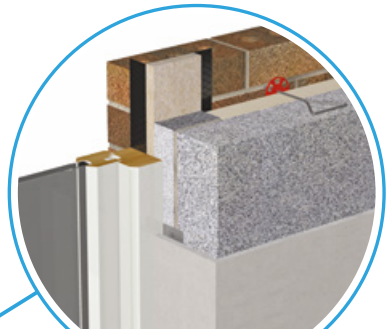
Wall Cavity Barrier vertical and horizontal fire barrier

Wall Cavity Barrier interfacing with masonry support brackets



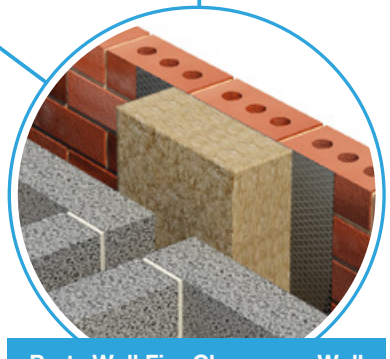
AIMCoustic Floor Slab





Cavity Fire Closer around all openings

Horizontal Fire Closer or Wall Cavity Barrier with DPC version



Party Wall Fire Closer or a Wall Cavity Barrier with DPC version

Example product schematics using materials by others. Images shown for illustration purposes only.

AIM | in medium rise

AIM provides a comprehensive range of fire safety and acoustic insulation solutions for medium-rise building construction. These products are crucial for protecting the structure against fire and noise while meeting industry standards and enhancing the building's overall safety and integrity.

AIMCoustic

The AIMCoustic Floor Slab offers thermal and acoustic insulation for various floor types, including ground bearing, timber joist, beam and block, and suspended concrete floors. Suitable for both 'wet' (under concrete screed) and 'dry' (under chipboard) constructions, its high-density, tissue-faced ROCKWOOL® composition eliminates the need for building paper. Key features include high compressive strength and a Euroclass A1 non-combustible rating. The AIMCoustic Floor Slab has optional rebated edges to prevent grout leakage and thermal and acoustic bridging.

Cavity Fire Closer

AIM Cavity Fire Closers are designed to seal external wall cavities around openings like doors and windows, offering protection against fire, thermal, and acoustic transfer. These closers are primarily used to prevent fire from spreading into or out of the building envelope, creating a safe escape route during a fire. AIM Cavity Fire Closers are made from a ROCKWOOL® stone wool strip laminated to a Polythene DPC and are suitable for cavities up to 100mm. They help to prevent cold bridging and can be used in various structures, including masonry, timber frames, and through-wall constructions.

Horizontal Fire Closer

AIM Horizontal Fire Closers prevent the vertical spread of fire and sound in the external wall cavities of multi-storey buildings. Made of semi-rigid ROCKWOOL® stone wool insulation laminated to a polythene DPC, they offer up to 120 minutes of fire resistance and reduce sound transmission. Suitable for various building substrates, including masonry, timber frame structures, and SFS/through-wall systems, the Horizontal Fire Closer is adaptable to most external wall cavity sizes.

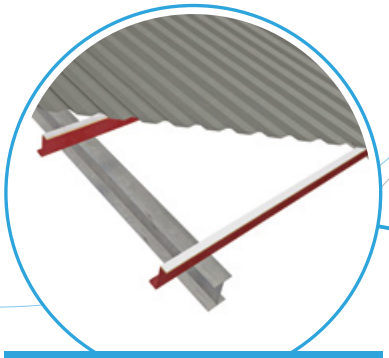
Party Wall Fire Closer

AIM Party Wall Fire Closers are designed to stop the spread of fire, smoke, and sound in all three directions at party wall junctions. Composed of semi-rigid ROCKWOOL® stone wool laminated to a polythene DPC, they offer at least 60 minutes of fire and smoke resistance whilst reducing sound transmission within external wall cavities. These fire closers are suitable for various building substrates, including masonry, timber frame structures, and SFS/Through-wall systems. These closers fit most junctions and can close cavities of up to 100mm wide.

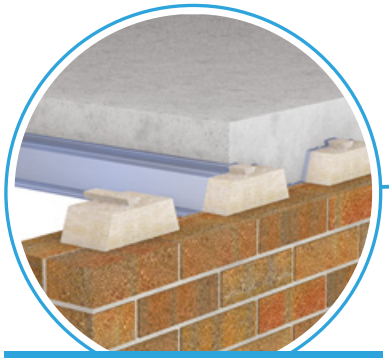
Wall Cavity Barrier with DPC

The AIM Wall Cavity Barrier, made from high-density, foil-faced ROCKWOOL® stone wool, provides up to 120 minutes of fire resistance for masonry cavity walls and curtain wall systems. It effectively blocks heat, flames, and smoke and reduces sound transmission by at least 21dB Rw. Suitable for both vertical and horizontal installation, this barrier ensures fire protection along compartmentation lines. The optional DPC strip improves moisture control, although this variant requires specific approval from fire safety consultants.

AIM | in commercial and industrial

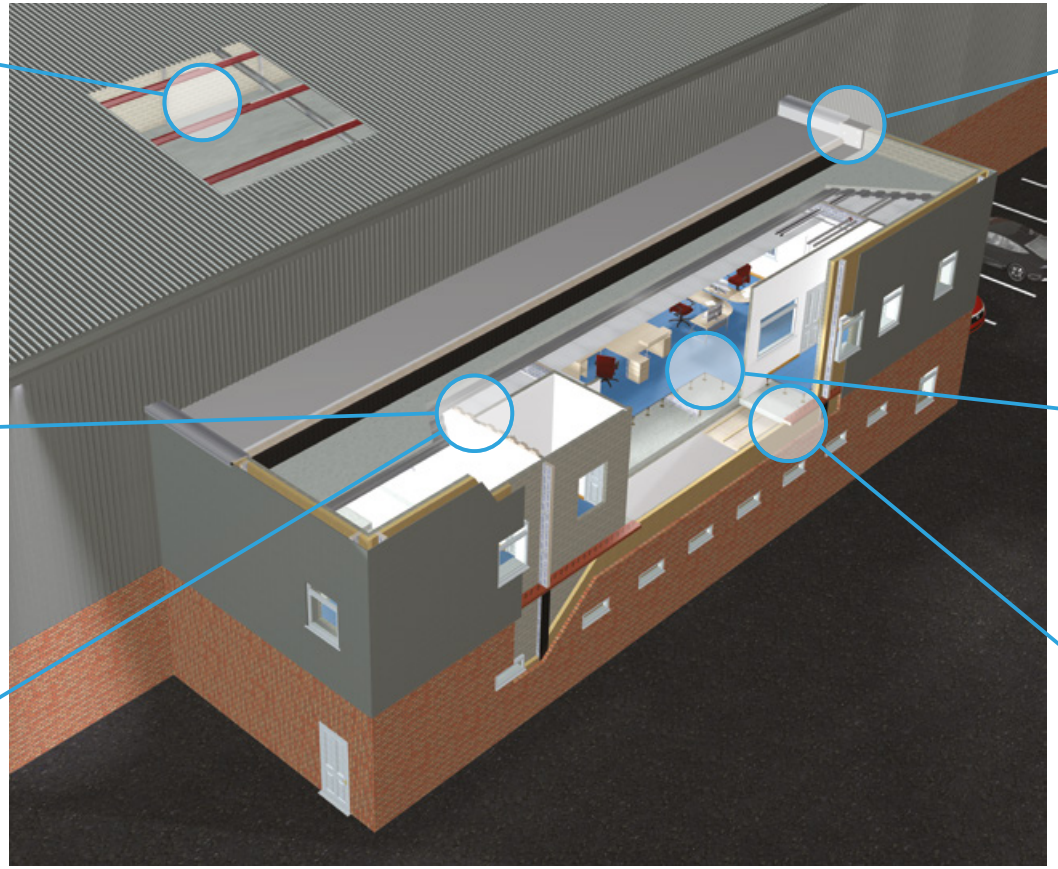


Thermal Break Strip

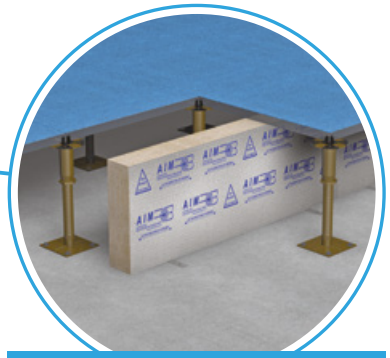


Fire Stop Blocks

Fire Stop Strip



Insulated Upstand Board



Raised Access Floor Barrier

High Impact Soffit Liner Boards

Example product schematics using materials by others. Images shown for illustration purposes only.

AIM | in commercial and industrial

AIM delivers a range of products designed to address the unique demands of commercial and industrial construction. Its products provide robust protection against fire and noise, ensuring compliance with strict industry standards and maintaining the safety, integrity, and operational efficiency of commercial and industrial buildings.

HD Thermal Break Strip

The AIM HD Thermal Break Strip prevents cold bridging in cladding and roofing. This high-density ROCKWOOL® strip is faced with glass tissue or optional Class 0 aluminium foil, making it ideal for applications where metal roof cladding lacks thermal insulation. It is typically used in steel frame structures where the roof cladding is supported by either Liner Tray Systems or Metal Cladding systems using zed purlins. As well as reducing condensation and heat loss, these break strips can also reduce direct sound transmission.

Fire Stop Blocks

AIM Fire Stop Blocks are designed to seal apertures in building structures, especially in trapezoidal formwork at the head of doors. Made from high-density ROCKWOOL® stone wool, these blocks are also ideal for composite flooring profiles, dovetail composite flooring, and metal decking, roofing, and cladding. Fire Stop Blocks help maintain fire compartment lines, seal fit imperfections, and enhance the acoustic performance of walls or partitions. They are available as trapezoidal, square-cut, rectangular, round, or sinusoidal sections.

Fire Stop Strip

The AIM Fire Stop Strip, made from high-density ROCKWOOL® stone wool, effectively seals narrow voids in construction to prevent the passage of fire and smoke. Suitable for various wall constructions, including timber framed, SFS with CP board facing, and conventional masonry, typical AIM Fire Stop Strips applications include sealing above partitions, within metal cladding systems, and between ceiling and walls. Held in place by compression, these strips don't require any adhesive and are suitable for sealing up to 100mm gaps.

Upstand Board

AIM Insulated Upstand Boards provide thermal insulation to upstands and parapet walls in flat roof constructions - typically inverted roof systems. Manufactured using high-quality insulation materials factory bonded to a high-impact fibre cement facing board, AIM Upstand Boards prevent cold bridging to the building's internal envelope and provide a durable finish. Available in various insulation types and thermal performances, they are easy to install and compatible with most roof waterproofing systems. A limited-combustibility A2-s1,d0 stone wool option is available for buildings over 11m high.

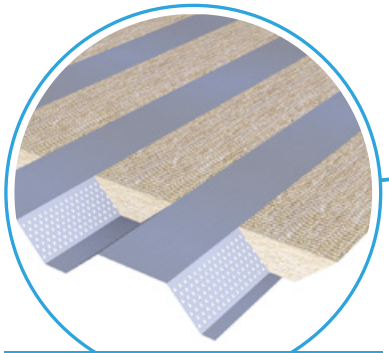
High Impact Soffit Liner

AIM High Impact Soffit Liner Boards are designed to reduce heat loss and improve impact resistance in semi-exposed concrete soffits. They can also be used as robust internal linings for walls and ceilings. Available with a choice of insulation materials, including Stonewool, phenolic, PIR, or XPS, AIM High Impact Soffit Liners also feature a customisable fibre cement facing board. Available in pre-decorated and through-coloured options, these boards can be tailored in thickness to meet specific U-Value requirements.

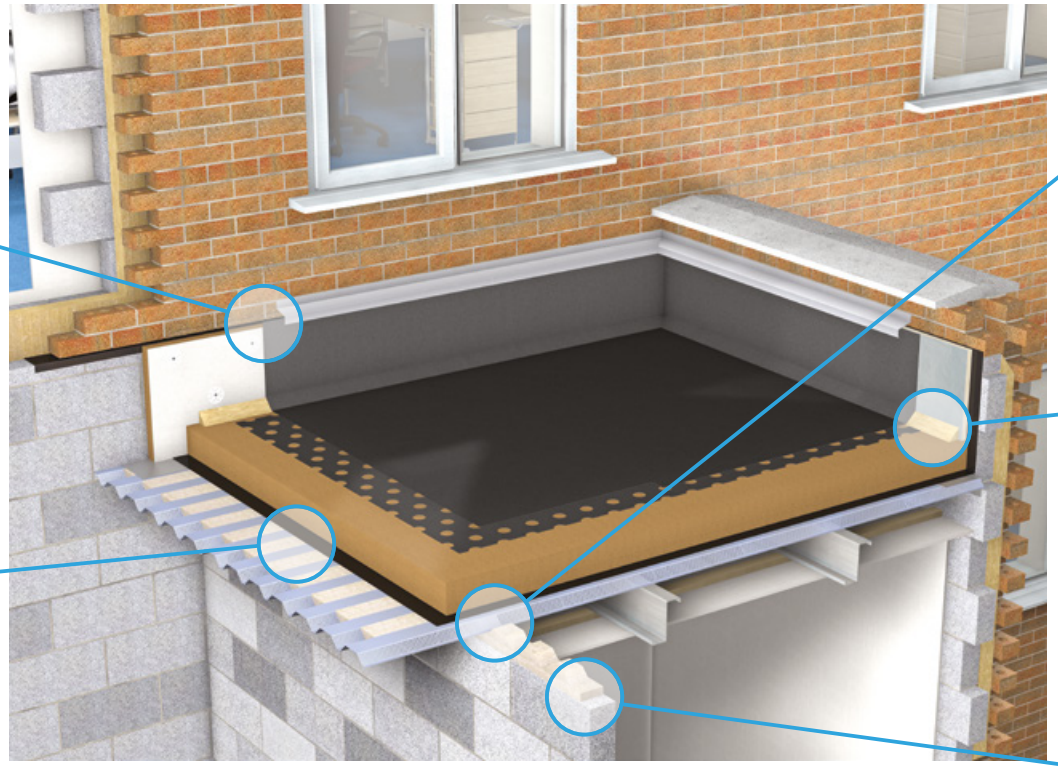
Raised Access Floor Barrier

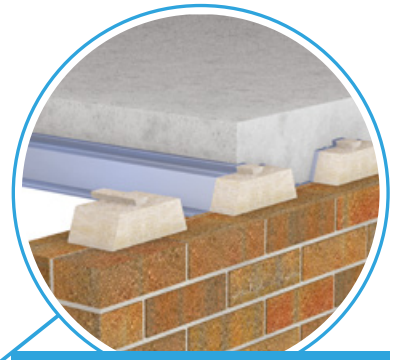
AIM Raised Access Floor Barriers are designed to prevent flames and smoke from passing through underfloor cavities for up to 120 minutes. Made from high-density ROCKWOOL® stone wool slab with impervious foil facing, these barriers are available in various thicknesses for different fire ratings and are suitable for voids up to 400mm. They serve multiple purposes, including subdividing large cavities, aligning under partitions to maintain fire ratings, reducing sound transmission, and creating a plenum chamber under a raised access floor.

Insulated Upstand Board

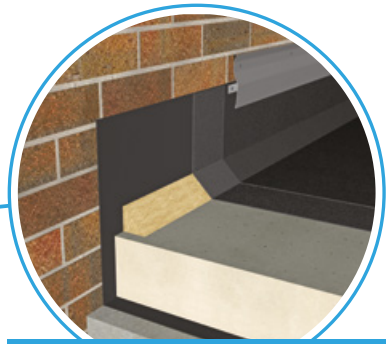


Acoustic Trough Infills

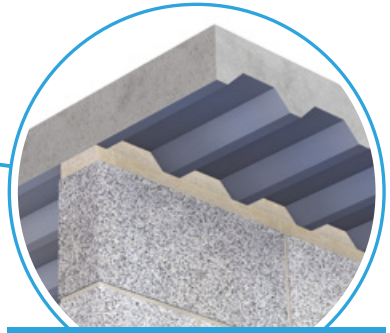




Fire Stop Blocks



Angle Fillets



Fire Stop Strip
(with Fire Stop Blocks)

AIM | for flat roofing

AIM offers a range of specialist products tailored to the specific challenges of flat roof construction. Engineered to provide acoustic management and fire protection, these solutions significantly enhance the structural integrity and efficiency of flat roof systems.

Acoustic Trough Infills

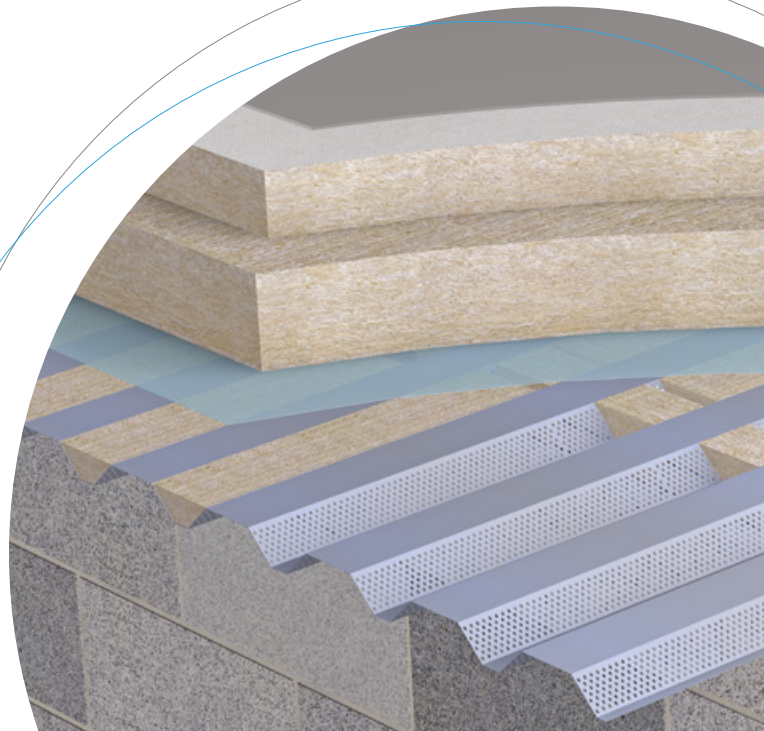
AIM Acoustic Trough Infills are designed to aid in sound absorption and reduce reverberation in buildings with hard surfaces, like sports halls. These infills can be manufactured to suit various trapezoidal profiles and are available in various densities and finishes. They use perforated metal deck profiles to create a large absorptive surface, offering an economical alternative to suspended acoustic systems. A Mylar-sleeved infill can be used for humid or moist environments like swimming pools.

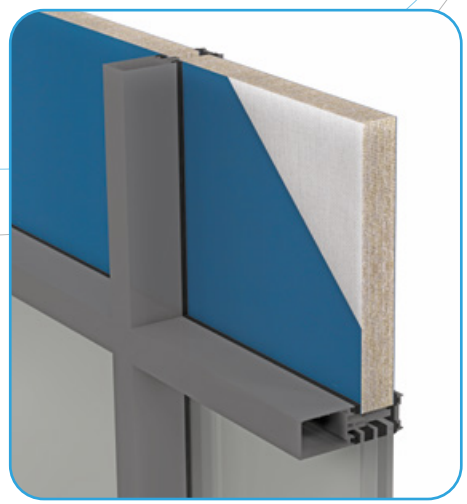
Angle Fillets

AIM Angle Fillets are designed to ease the installation of flat roof waterproofing membranes by reducing the corner angle from 90° to 45° at horizontal and vertical abutments. Primarily manufactured from ROCKWOOL® stone wool but also available in PIR, XPS, or EPS insulation, these fillets are rot-resistant and come with various facings, including plain, tissue-faced, or paper-faced. AIM Angle Fillets ensure a snug fit between the roof and the membrane, enhancing the durability and effectiveness of flat roof waterproofing.

Combined Solution

AIM offer an effective combined solution for noise control and fire safety in buildings with metal decking. First, AIM Acoustic Trough Infills are laid across the metal deck to reduce noise reverberation within the building. Next, AIM Fire Stop Blocks are installed above and below the deck at firewall junctions, preventing smoke or fire from passing through the deck perforations. Finally, the AIM Fire Stop Strip addresses any imperfections at the top of the walls, ensuring a snug interface with the metal deck. This trio of products can enhance the building's acoustic and fire safety performance.





Twin Scrim Lamella Pads

Lamella slabs are generally used to form the core of structural or composite panels.

Tenmat FF102/50 and FF102/25

Tenmat CavGuard 65 on a roll

To complement the AIM range of fire barriers, we stock and supply a limited range of intumescent barriers for closing cavities within, typically, timber frame constructions.

AIM Intumescent Acrylic Sealant

An acrylic intumescent sealant for sealing minor gaps and imperfections to cavity and fire barrier products.

EUH208 - Contains biocide. May produce an allergic reaction.

Spray Tack Adhesive

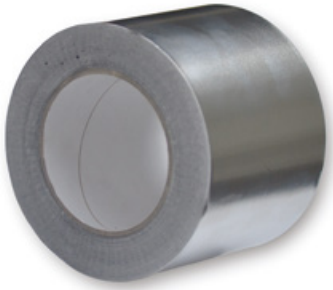
A high tack sprayable contact adhesive that provides instant grab to assist with the installation of products such as the HD Thermal Strip.

H222 - Extremely flammable aerosol.
H229 - Pressurised container: May burst if heated.
H351 - Suspected of causing cancer

Rockwool Firepro mastic

Acoustic Intumescent Sealant is a high specification, acrylic sealant designed for use in the installation of ROCKWOOL® Ablative Coated Batt, sealing linear joints and some individual service penetrations passing through various substrates.

EUH208 - Contains biocide. May produce an allergic reaction.



Aluminium Foil Tape

A high tensile strength aluminium foil for general purpose holding, patching, sealing and masking applications.

AIM | capabilities, materials and equipment

Capabilities

We manufacture a wide variety of insulation products with a broad range of performance characteristics predominantly to bespoke specification.

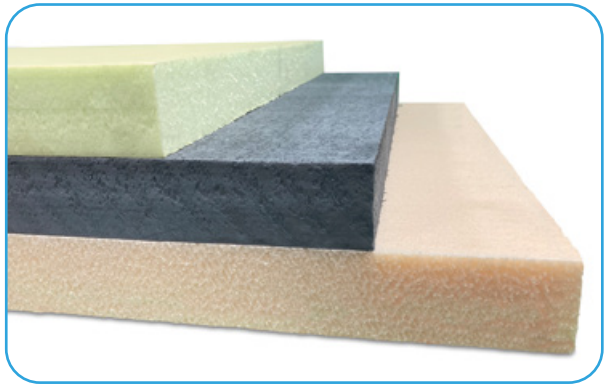
We often assist companies that need to fulfil a product requirement or solution by helping them at development stage. This service is something we do across many sectors, with our team producing CAD designs from your design brief, or from files supplied by you.

Materials

The materials we use are selected for their high-quality functionality, robustness, sustainability and cost efficiency.

ROCKWOOL® Stone wool

Stone wool insulation is made from a natural and vastly abundant material - volcanic rock. The material possesses outstanding fire, acoustic and thermal insulation properties as well as extensive durability, making it a sustainable and cost-effective choice. The ROCKWOOL® range of slabs and densities provide AIM with an excellent base from which many of our products are manufactured.



Rigid foam insulation - PIR/EPS/XPS

AIM is experienced in the conversion of all forms of rigid foam insulation. We have strong relationships with many of the manufacturers and will work with any of the brands available in the UK. Rigid foams tend to be used either for their thermal insulation performance, compressive strength and rigidity, or a combination of both.

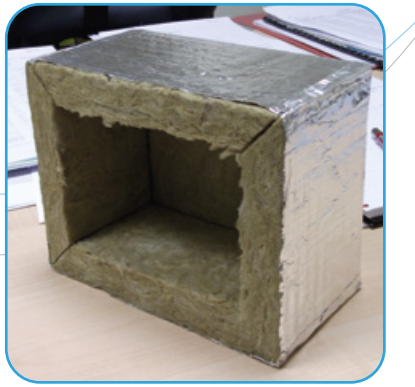
Construction boards

AIM has extensive knowledge of fabrication products and use a wide variety of construction boards including cement fibre boards, cladding panels such as Rockpanel®, as well as sheet timber such as OSB and Plywood. The boards are often bonded to a slab or sheet insulation to create higher impact resistance and thermal or acoustic performance, often with an aesthetically pleasing appearance.

Ancillary materials Such as DPC, foils

To complement or enhance the performance of many of the products offered, we have the capability and expertise to apply additional materials to the insulation products chosen. Be it a DPC bonded to stonewool to prevent moisture ingress, an aluminium foil to prevent fibre migration or a glass fibre tissue to enhance acoustic performance, AIM has the expertise to select the right material for the customer's requirements.

AIM | capabilities, materials and equipment



Capability

AIM has many decades of collective experience in converting insulation and manufacturing insulation-based panels and products. This experience, from a wealth of sectors, makes us the ideal choice for assisting with deriving the most competitively priced products capable of delivering the required design performance.

Equipment

Our range of machinery enables us to manufacture bespoke designs for a range of applications across several sectors. Our team has an in-depth knowledge of our machinery, how they work in application and outcomes, as well as the materials used and material behaviour during manufacture and use. Operation of the equipment is by highly trained and qualified personnel to meet the most demanding of project requirements.

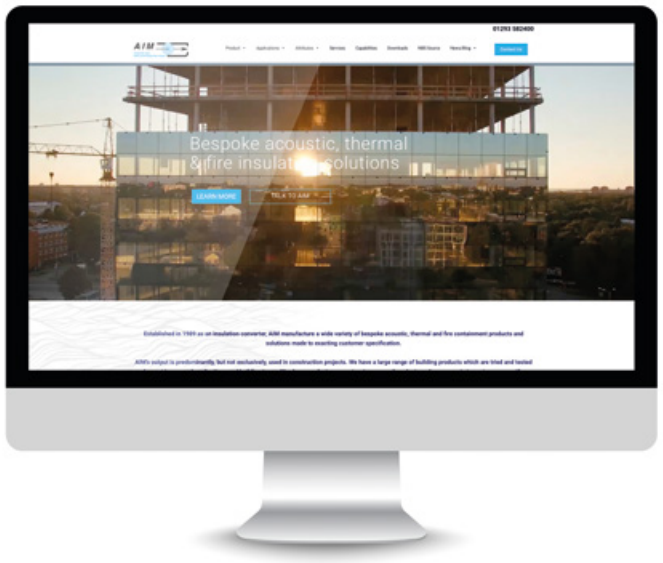
- Large table band saw
- Platen presses
- Vacuum bed router
- Spindle moulder
- Laminators
- CNC hot wire cutting machine
- Lamella saw
- Small band saws
- CNC Beam saw
- Tilt arbour dimension saws
- CNC cold wire saw
- Dry filter spray booths
- Polythene enclosing machines

AIM | let us help bring your vision to life

Ready to enhance your construction project with bespoke acoustic, thermal, or fire insulation products? Contact AIM today!

With over 3 decades of experience creating bespoke insulation products for various construction needs, we provide rapid, reliable services tailored to your unique specifications.

Browse our full range of products online at www.aimlimited.co.uk or call our team on 01293 582 400 to discuss your requirements.



AIM
ACOUSTIC AND
INSULATION MANUFACTURING

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