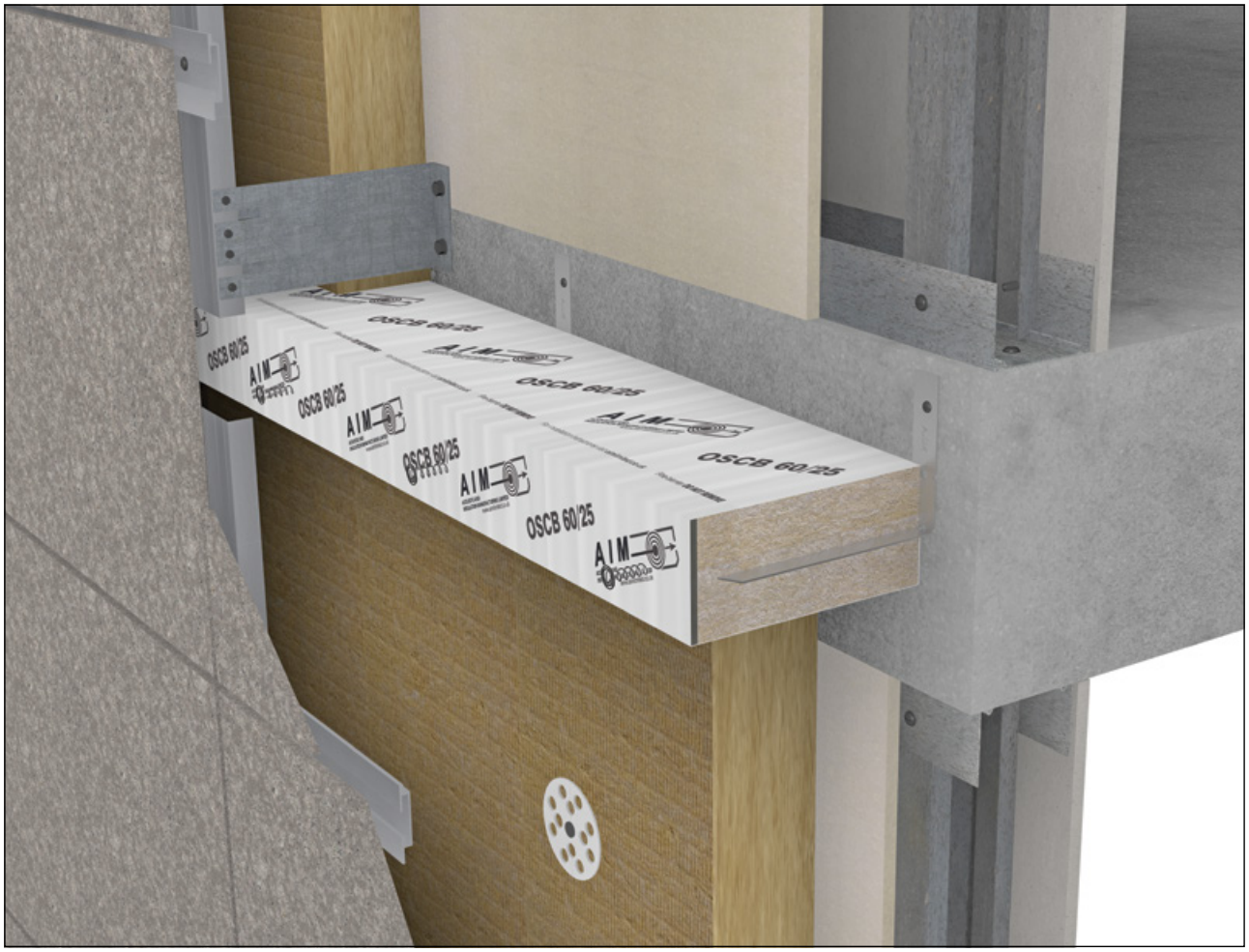
Open State Cavity Barrier

An Open State Cavity Barrier providing vertical airflow and drainage in ventilated external wall cavities.

AIM ACOUSTIC AND INSULATION MANUFACTURING

Technical Guide | Issue 5 - 12 2025



Example product installation schematic using materials by others

PRODUCT

AIM Open State Cavity Barriers (OSCB's) are manufactured from high density Rockwool stone wool and faced with an intumescent strip and colour coded for ease of identification. The barriers allow the ventilation necessary within the wall construction. In the event of a fire, heat activates the intumescent strip which expands quickly to fully close the cavity.

AIM OSCB's have been tested in line with the ASFP TDG19, a recognised test methodology for open state rainscreen cavity barriers.

Open State Cavity Barriers offer an effective fire barrier for ventilated voids up to 425mm in width. Having been tested to TGD 19 & the general principles of BS EN 1363-1, they offer a superior fire rating of up to 120 minutes insulation & integrity with ventilated air spaces within the cavity.

The AIM OSCB range is available to provide either a 25 or 44mm air gap. For simplicity the range also offers either a 60, 90 or 120 minute rating for both Integrity and Insulation.

IFC Certification

Certificate number: IFCC 1901 (60/25, 60/44, 120/25, 120/44)

FEATURES

- Provides a 25mm or 44mm airspace
- Fire rated solutions for cavity voids up to 425*mm.
- Heat activates the intumescent strip which expands quickly to fully close the cavity
- Tested in accordance with ASFP Technical Guidance Document 19 (TGD 19) & to the general principles of BS EN 1363-1
- IFC Third Party Certified
- Provides up to 120 minutes integrity and insulation performance
- Galvanised steel fixing bracket supplied as standard
- Stainless steel fixing brackets available as a tested option
- Quick and cost effective installation.
- Colour coded for ease of identification.
- Tested to demonstrate performance with vertical rail penetrations.
- Tested with profiled metal sheets.
- Pre-cut barrier widths can be increased with the OSCB Packer.

BENEFITS

- In the event of a fire, provides an effective barrier to the passage of hot smoke and fire behind the cladding system.
- Designed to enable a continuous airflow behind a rainscreen and timber frame cladding system thus helping to prevent problems of condensation.
- Flexible specification: Choice of six OSCBs deliver insulation and integrity performance up to 120 minutes.
- Easy to install: Simple fixing procedure; OSCB25 range incorporates spring steel screws and steel fixing brackets. No specialist tools required.
- Expensive foil tape not required during installation.

* The OSCB 25 range can be used in cavities up to 600mm where the barrier is supported by Rockwool Duoslab insulation or equivalent but is outside of the scope of IFC Certificate IFCC 1901.

COMPONENTS available from AIM

OSCB Fixing Brackets

AIM Intumescent Mastic

Coarse wound (Pigtail) Screws

OSCB Rainscreen

Galvanised steel fixing brackets are supplied at a rate of two per metre length. Brackets are packaged in a separate cardboard box located at the bottom of a pallet - the location will be marked with a label.

Fixing Brackets are designed to be easily profiled by hand on site, and should be cut as necessary to ensure they penetrate the barrier by at least 50% of its width.

Stainless steel brackets are available as an option.

Coarse wound (Pigtail) Screws are required for AIM OSCB 60/25, OSCB 90/25 and OSCB 120/25, and are used to secure the front-facing intumescent strip. They are supplied at a rate of 3 per metre length and will be packaged with the fixing brackets.

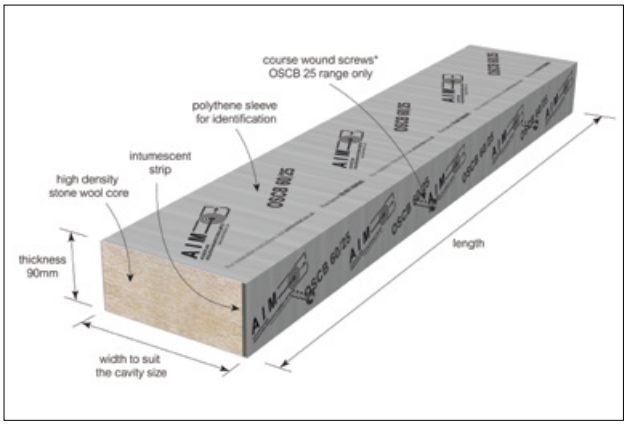
Care should be taken to ensure that the Coarse Wound Screws protrude from the front face of the firestop by a maximum of 25mm.

Please note: Coarse wound screws may be omitted; please speak to the AIM Technical Support Department.

PHYSICAL INFORMATION

- Thickness - 90mm
- Width - Total cavity size (up to 425*mm) less 25 or 44mm according to the barrier required.
- Length - 1000mm
- Max Air Gap – 25 or 44mm

* The OSCB 25 range can be used in cavities up to 600mm where the barrier is supported by Rockwool Duoslab insulation or equivalent but is outside of the scope of IFC Certificate IFCC 1901.



PACKAGING

AIM OSCB's are generally packed into cartons and stretch wrapped onto wooden pallets with a showerproof polythene pallet cover and high quality edge protectors.

AS STANDARD

AIM OSCB's are factory manufactured to suit the cavity width on site. They are supplied in 1000mm lengths, 90mm deep and typically 25mm or 44mm smaller than the cavity. They are supplied with the necessary fixings (Fixing Clips or Fixing Clips & Coarse Wound Screws).

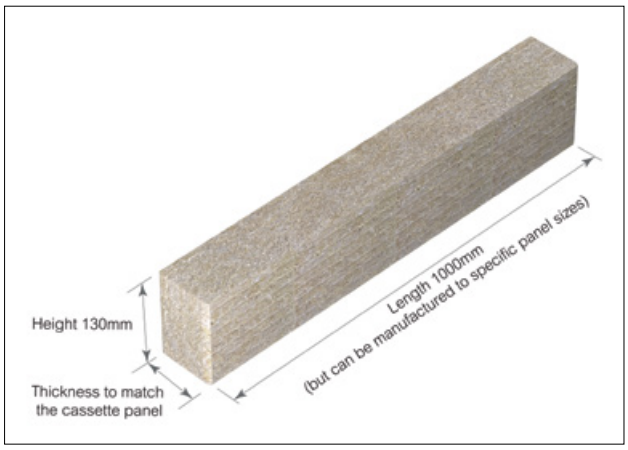
OPTIONS

Stainless Steel Coarse Wound Screws as standard.
Galvanised Fixing Brackets as standard.
Stainless Steel fixing clips available upon request.

An option to install an OSCB 25 without coarse wound screws is available; please contact AIM technical for more details.

OPTIONS

CASSETTE INSERT

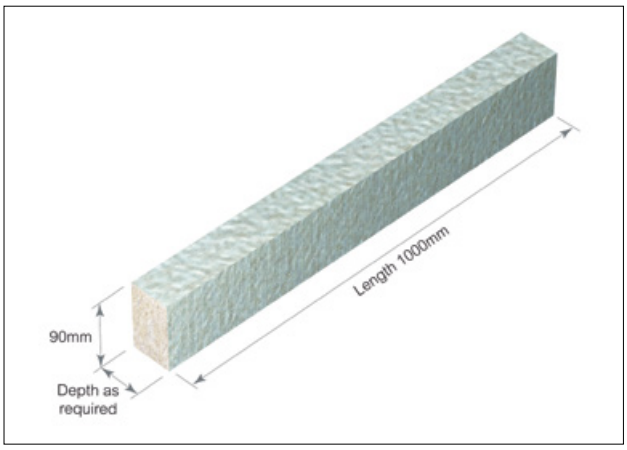


AIM Cassette Inserts may be used within Cassette Façade Panels to create a flat surface for the OSCB to close against.

AIM Cassette Inserts are available in sizes to suit the OSCB to be installed.

See Fitting to Cassette Panels section on Pages 11 and 17 for installation guidance.

OSCB PACKERS



AIM OSCB packers are available for instances where an undersized OSCB needs to be packed out.

AIM OSCB packers are available in sizes to suit the OSCB to be installed.

Further details can be found on Pages 14 and 18

TECHNICAL INFORMATION

	Vertical use	Horizontal use	Cladding rails #	Cavity sizes	Polythene sleeved	Installed with clips
60/25	Yes	Yes	Provide 60+ minutes integrity	75mm to 425mm*	White colour coded	Yes & coarse wound screws
60/44	**No**	Yes	Provide 60+ minutes integrity	75mm to 425mm*	Blue colour coded	Yes
90/25	Yes	Yes	Provide 90+ minutes integrity	75mm to 425mm*	Clear Plastic colour coded label	Yes & coarse wound screws
90/44	**No**	Yes	Provide 90+ minutes integrity	75mm to 425mm*	Clear Plastic colour coded label	Yes
120/25	**No**	Yes	Provide 120+ minutes integrity	75mm to 425mm*	Red colour coded	Yes & coarse wound screws
120/44	**No**	Yes	Provide 120+ minutes integrity	75mm to 425mm*	Black colour coded	Yes

* The OSCB 25 range can be used in cavities up to 600mm where the barrier is supported by Rockwool Duoslab insulation or equivalent but is outside of the scope of IFC Certificate IFCC 1901.

tests conducted in a 200mm cavity

FIRE RATING (INTEGRITY / INSULATION (EI - MINUTES))

	60/25	60/44	90/25	90/44	120/25	120/44
Masonry to masonry	60/60	60/60	90/90	90/90	120/120	120/120
Sheeting board to masonry	60/60	60/60	90/90	90/90	120/120	120/120

Tests include combustible and non-combustible sheathing boards. Weather Defence Board SFS Framework, Intersecting aluminium cladding rails.

Test run with combustible PIR, Rockpanel Façade, Extended Airspaces (30mm & 50mm - one hour only).

NOTE: Increased airspace reduces insulation performance to 60 minutes.

OSCB 60/25 and 90/25 have been tested vertically in a 425mm wide cavity,

Mastic solutions allow for an easy and effective installation against uneven and curved facades.

Narrow Cavities: For cavities of less than 50mm, Tenmat Intumescent strips, available from AIM, should be used (FF102/25 for cavities up to 25mm and FF102/50 for voids up to 50mm). AIM OSCBs can be manufactured for cavities less than 75mm but have not been tested for this application. Additionally, a direct Fix option is available for open state cavity barriers in small cavities. Please refer to pages 13 and 18 for further details. The approval of a competent person or project fire engineer should be sort in cases of cavities less than 75mm where an AIM OSCB is the chosen solution.

We hold test data for Cassette Inserts & for FF102/50 to be screwed to vertical rails. Please refer to pages 10 and 11 for further details.

We hold test evidence showing the performance of AIM OSCB's where the exterior cladding is a Rockpanel construction. Please contact our technical department for further details.

Test standards employed: BS EN 1363-1 & TGD19.

The OSCB range has been exposed to BS 8414 Fire performance of external cladding systems fire tests and assessed to BR135 to achieve pass results with a variety of third party cladding systems.

The AIM OSCB Range has been tested with masonry façades to establish the performance of the product itself without being influenced by the supporting structure. It may be used with a variety of façade types however this should involve the consideration and approval of a competent person.

TEST REPORTS

Assessment Report	Basic Details of Test
A variety of test reports are available. The suitability of the OSCB range is encapsulated within these assessments	
PAR 23678/1	ASSESSMENT COVERING OSCB 60/25
PAR 23678/2	ASSESSMENT COVERING OSCB 90/25
PAR 23678/2	ASSESSMENT COVERING OSCB 120/25
PAR 23678/3	ASSESSMENT COVERING OSCB 60/44
PAR 23678/4	ASSESSMENT COVERING OSCB 90/44
PAR 23678/4	ASSESSMENT COVERING OSCB 120/44

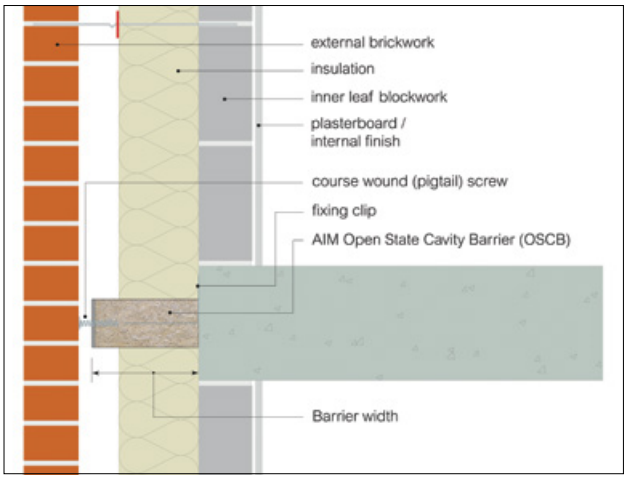
IFCC 1901 covering OSCB 60/25, 60/44, 120/25, 120/44

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.

MASONRY TO MASONRY CONSTRUCTION

AIM's OSCB range may be used within masonry external wall constructions. This allows for faster construction of the external leaf and can negate the need for cavity trays and a DPC between the cavity barrier and the external leaf.

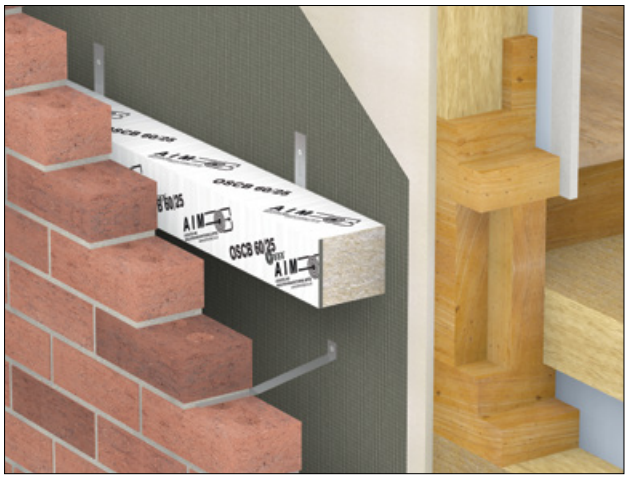
AIM Open State Cavity Barrier (OSCB) - Masonry construction



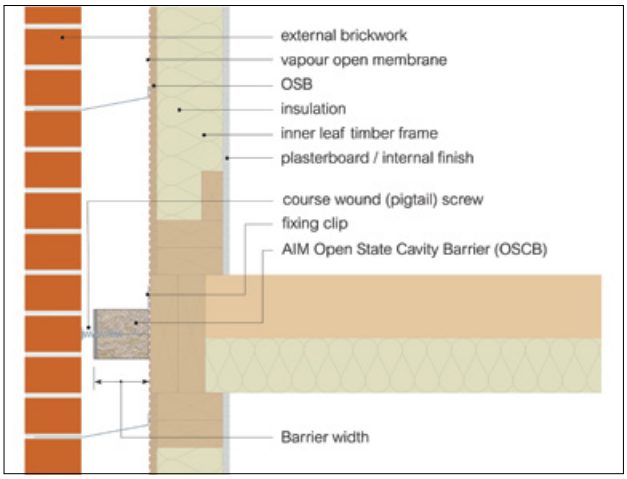
AIM Open State Cavity Barrier (OSCB) - Masonry construction

TIMBER TO MASONRY CONSTRUCTION

AIM's OSCB range may be used within timber to masonry external wall constructions. This allows for faster construction of the external leaf and can negate the need for cavity trays and a DPC between the cavity barrier and the external leaf.



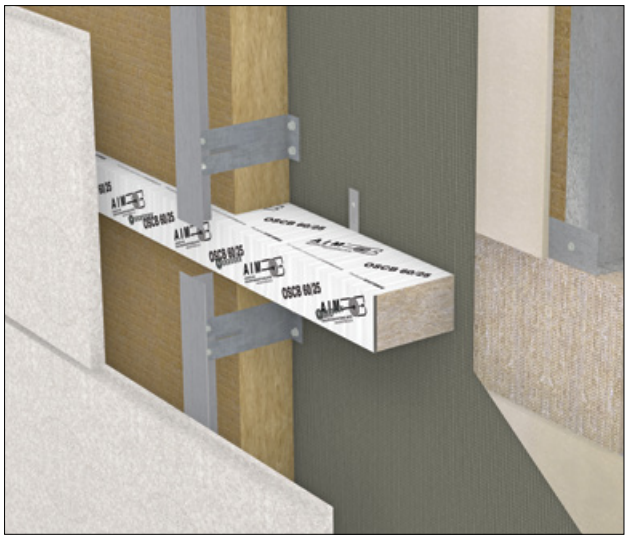
AIM Open State Cavity Barrier (OSCB) - Timber Frame Masonry outer leaf construction



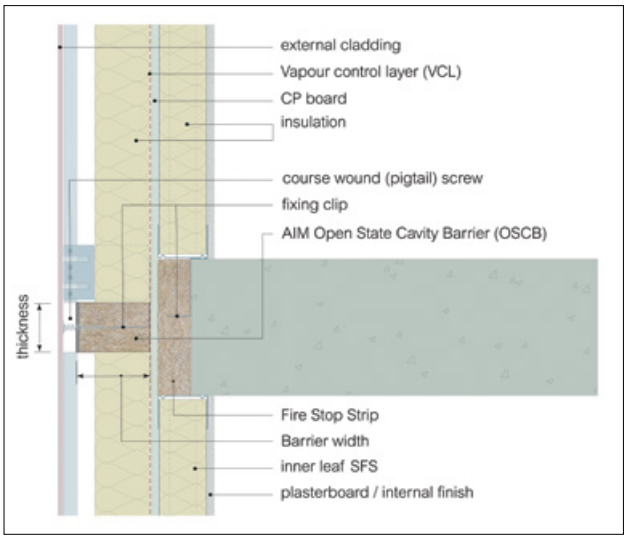
AIM Open State Cavity Barrier (OSCB) - Timber Frame Masonry outer leaf construction

SFS TO CLADDING CONSTRUCTION

AIM's OSCB range may be used between non (or limited) combustibility sheathing boards to an internal wall cladding or rainscreen system. Cladding and raisnscreen systems cannot be replicated in line with the TGD 19 test methodology and the stability of the façade system should be assessed by a competent person on site.

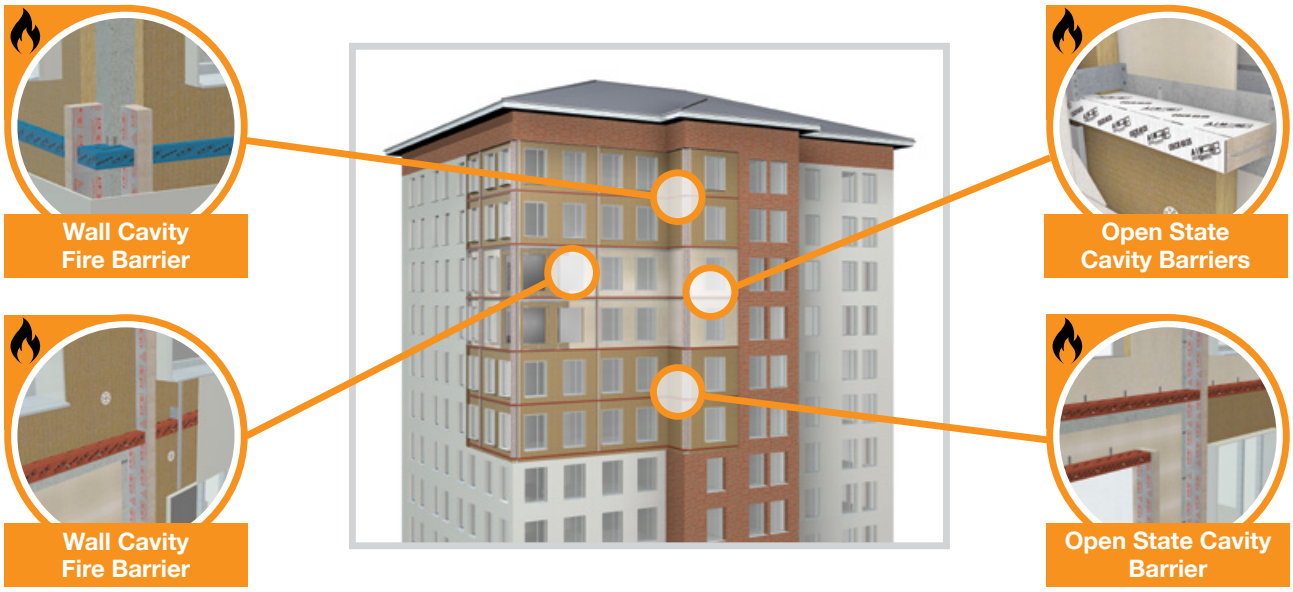


AIM Open State Cavity Barrier (OSCB) - SFS to Cladding



AIM Open State Cavity Barrier (OSCB) - SFS to Cladding

OPEN STATE CAVITY BARRIER IN HIGH RISE CONSTRUCTION

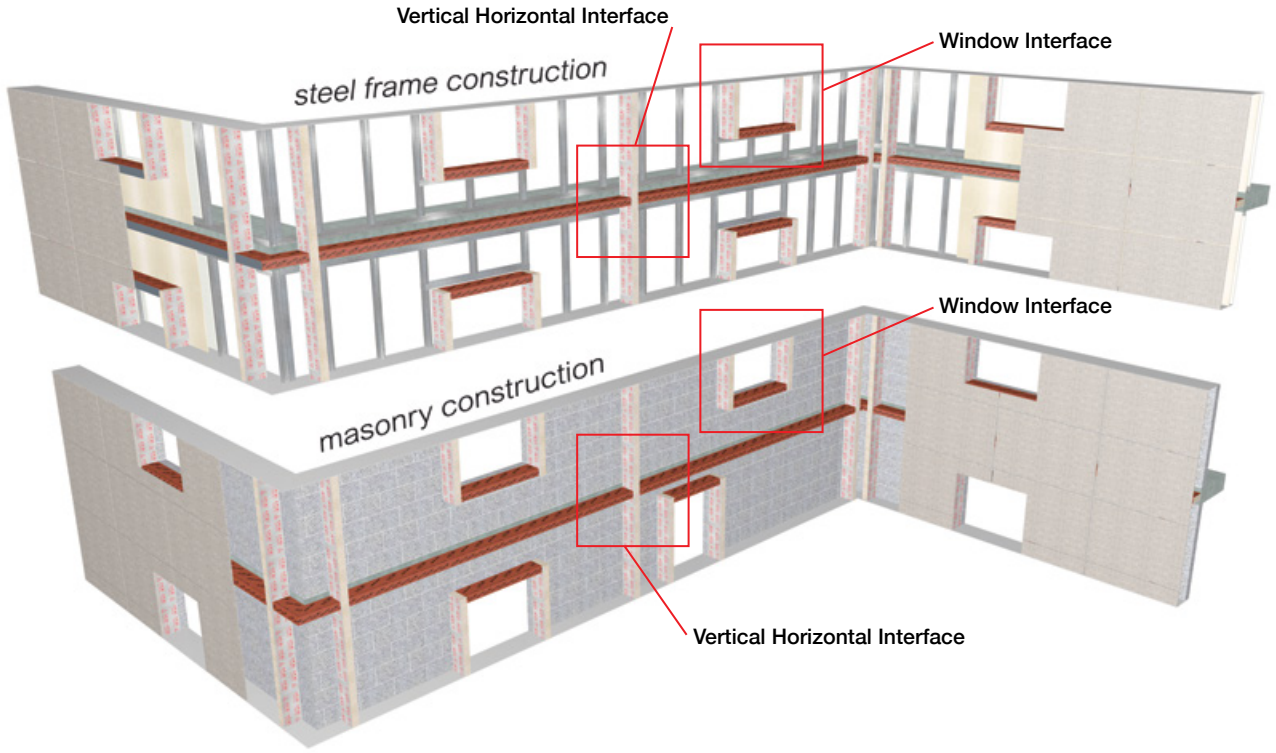


COMPARTMENTATION AND RAINSCREEN CLADDING SOLUTIONS

In general, AIM OSCB's are used in conjunction with AIM's Wall Cavity Fire Barriers. The AIM OSCB's tend to be used for horizontal fire stopping and permitting free flowing ventilation through the cavity in a vertical plane. AIM Wall Cavity Fire Barriers provide a fully filled cavity solution and are generally used vertically to prevent the spread of fire across the face of a building.

The drawings below provide guidance as to how the two products are used to created a cavity barrier solution.

Please note: the drawings below reflects typical cavity barrier locations and is presented for guidance purposes only. The specifier and user must seek formal approval regarding cavity barrier location requirements on a project basis.

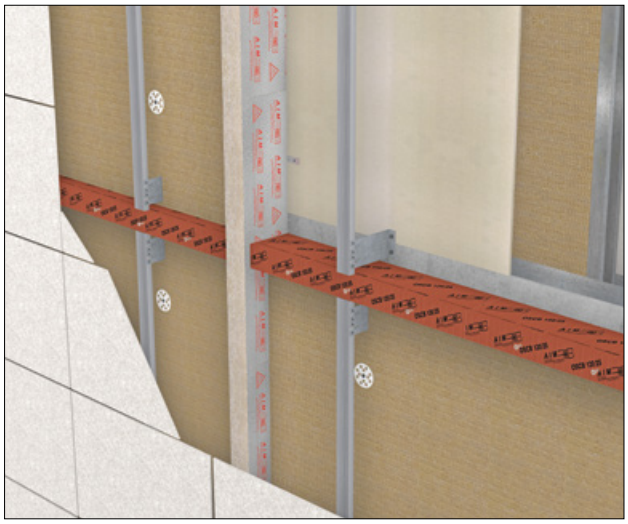


APPLICATIONS AND DETAILING

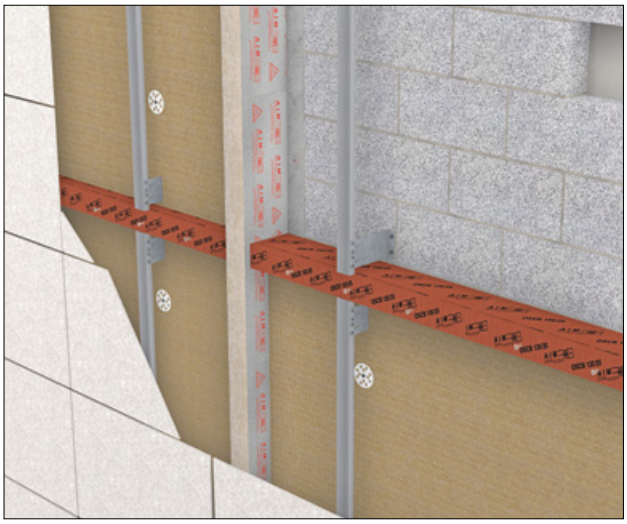
In addition to the comprehensive testing conducted in line with the requirements of TGD 19, the AIM OSCB range has been subjected to bespoke ad-hoc detail testing to cover some of the common non-standard site requirements.

VERTICAL HORIZONTAL INTERFACE

Typically, and in line with the recommendations of the Association of Specialist Fire Protection (The ASFP), the vertical cavity barrier takes precedence over the horizontal cavity barrier although this is not a regulatory requirement and may be amended to suit site requirements. To be effective, the cavity barriers must be fitted tightly back to a fire resisting substrate with fixing clips and non-combustible screws. The interface between the vertical and horizontal cavity barriers must be tight and secure without gaps or voids.



OSCB in Steel Frame / SFS construction substrate



OSCB in Masonry construction substrate

WINDOW INTERFACE

Typically when installing cavity barriers around openings in the wall such as doors, windows and non-fire rated vents the cavity barriers fitted at the reveals are full fill with open state cavity barriers fitted at the head and the sill. The cavity barrier must form a complete seal around the opening to provide protection to all four edges. To be effective, the cavity barriers must be fitted tightly back to a fire resisting substrate with fixing clips and non-combustible screws. The interface between the vertical and horizontal cavity barriers must be tight and secure without gaps or voids voids.

OSCB in Steel Frame / SFS construction substrate

OSCB in Masonry construction substrate

CLADDING RAIL INTERSECTIONS

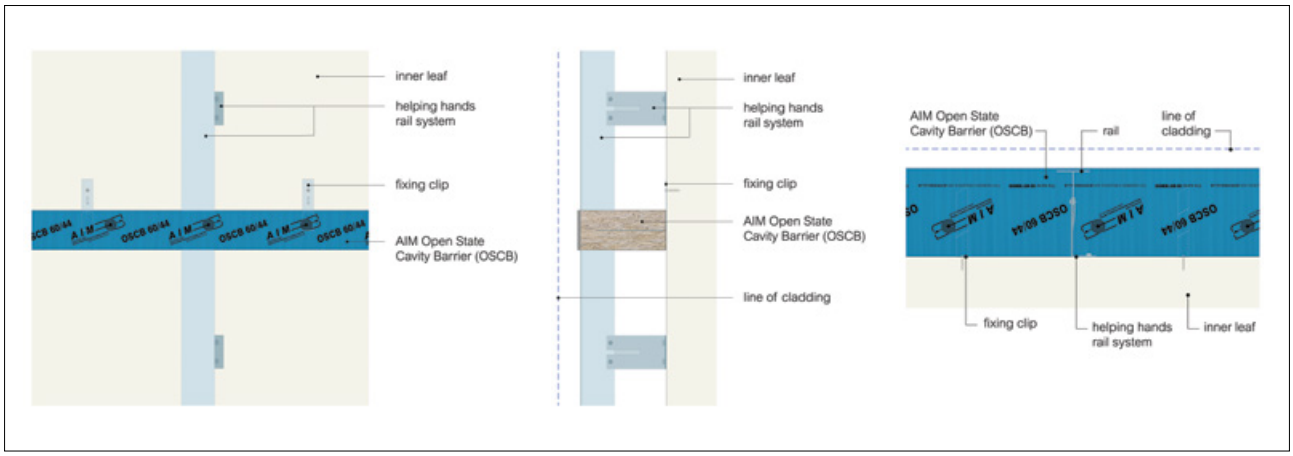
Most rainscreen barriers are tested without intersecting cladding rails however because of the thermal loss with additional helping hand brackets, designers always run them through the cavity barrier line.

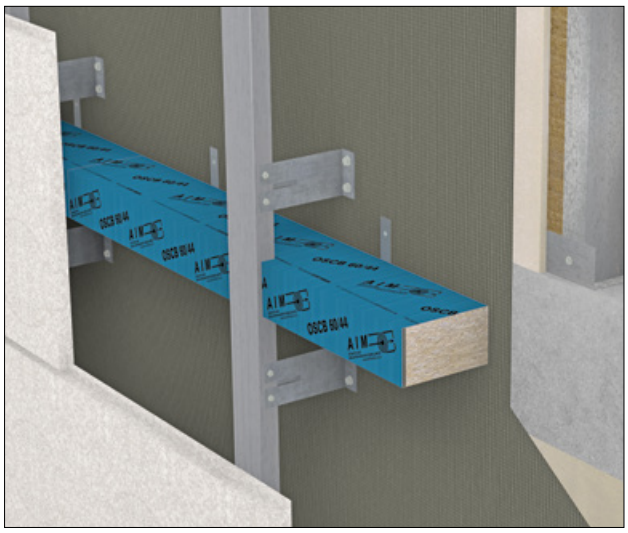
We have a tested solution with a vertical aluminium cladding rail through the line of the OSCB safe in the knowledge that the rail didn't prevent the OSCB from working effectively

Test report WF547452 refers.

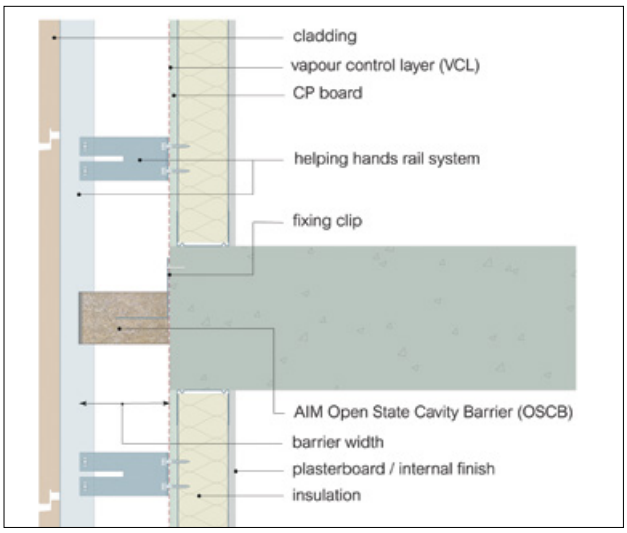
CLADDING RAIL CONFIGURATIONS

AIM OSCB's have been fire resistance tested with vertical aluminum T rails passing through the stone wool element of the OSCB as shown in the images below.



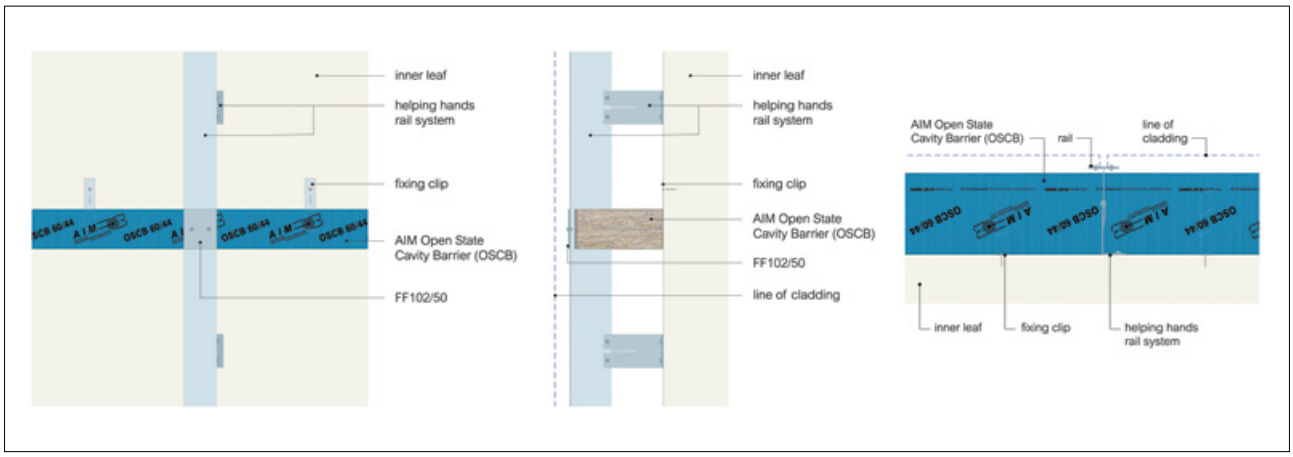


OSCB with an intersecting cladding rail



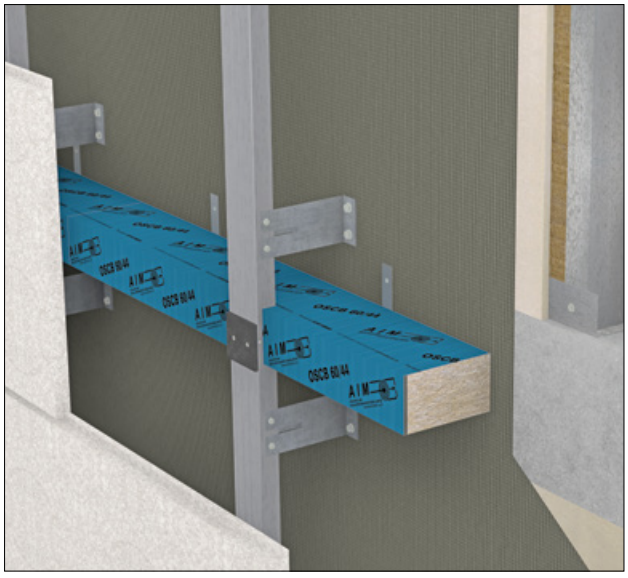
OSCB with an intersecting cladding rail

AIM OSCB's have been fire resistance tested with the return of a vertical aluminum penetrating through the intumescent strip into the stone wool element of the product. To compensate for areas where the face rail may prevent free expansion of the intumescent strip, an additional section of FF102/50 can be secured to the face of the rail as shown in the image below.

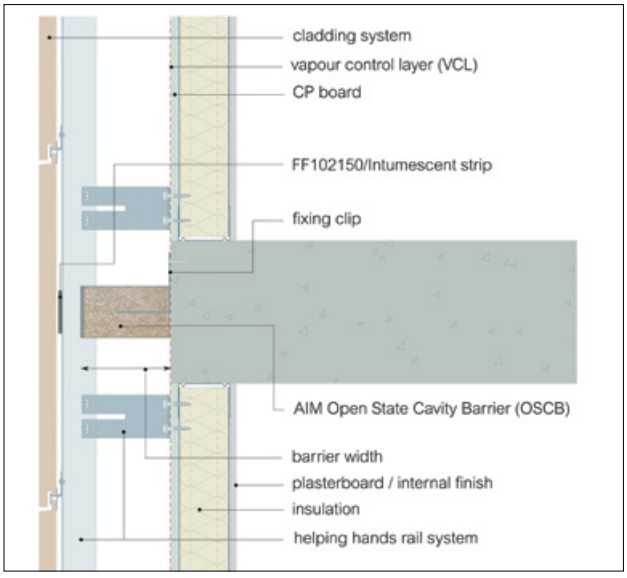


Aluminium cladding rails can sometimes prevent the free expansion of the intumescent to the rear of the façade; if this is a risk we have also tested a rail with intumescent material secured to the face of the rail to compensate.

Test Report WF547452 refers.



OSCB with an intersecting cladding rail and FF102/50



OSCB with an intersecting cladding rail and FF102/50

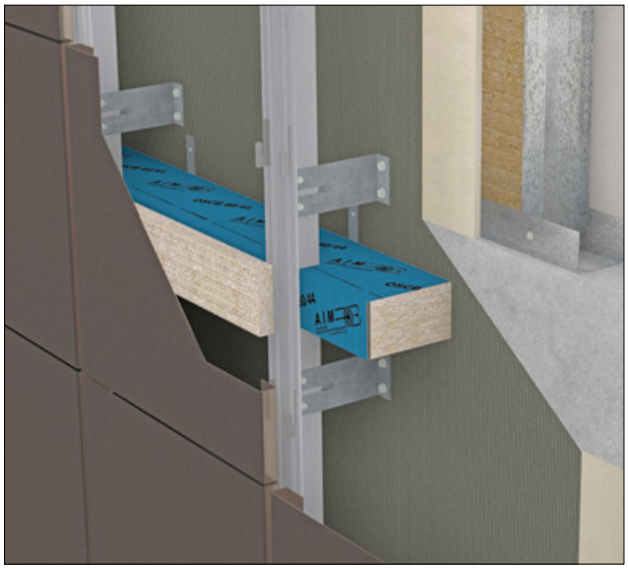
OSCB CASSETTE INSERT

Cassette panels are a common rainscreen façade. This creates an issue as the vertical rails, or the returns in the cassette panel prevent the free expansion of the intumescent strip.

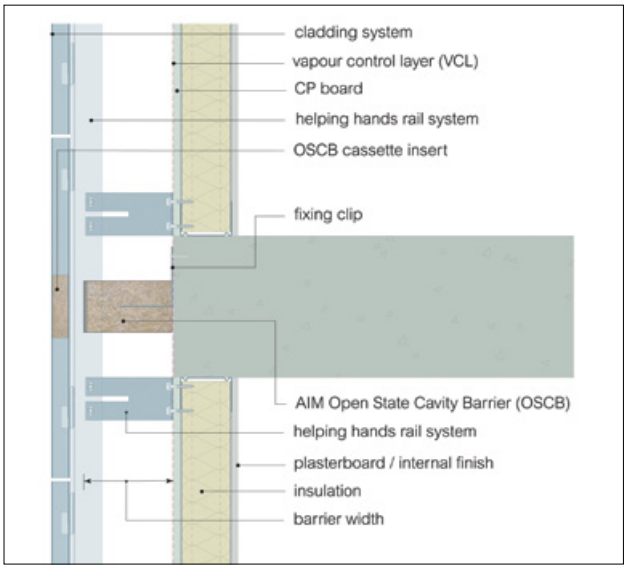
The OSCB Cassette Insert sits within a cassette panel and creates a flat surface for the OSCB to close against.

Test Report WF547452 refers

Cassette Inserts can be adhered in situ with a suitable adhesive and mechanical support can be provided by adding screws through the sides of the cassette panels, into the ends of the inserts, for added security.



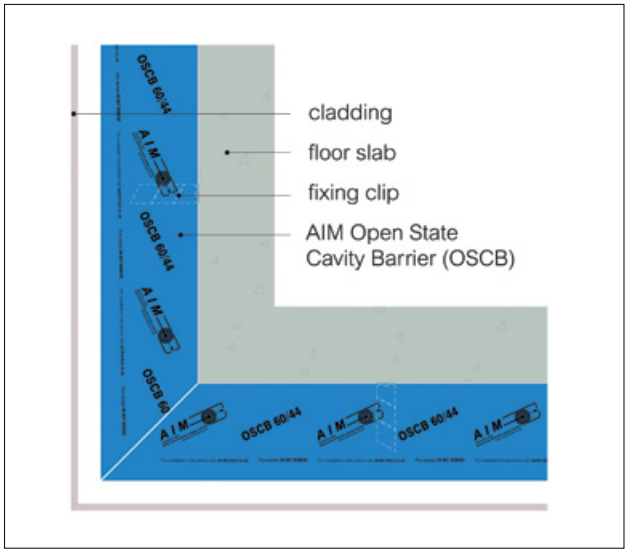
OSCB with a cassette insert



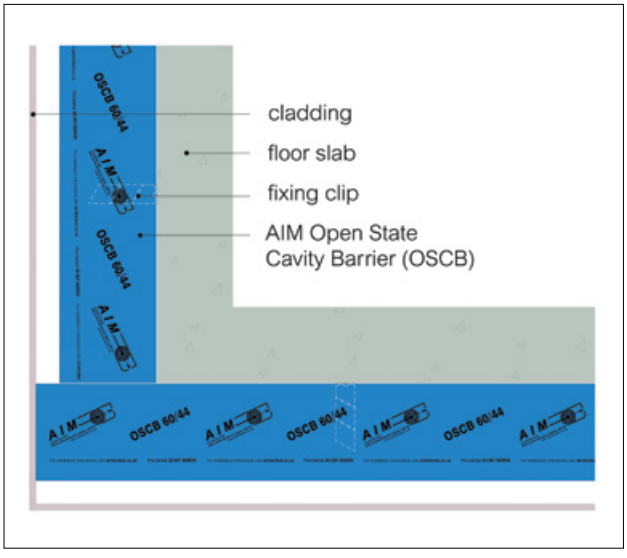
OSCB with a cassette insert

CORNER DETAILING

External corner details cannot be accurately replicated or configured within the furnace. External corners are not considered within BS 8414 testing. Two approaches are commonly adopted on site which are shown below



Mitered corner joint



Lapjoint corner detail

OSCB WITH PROFILED METAL SHEETING

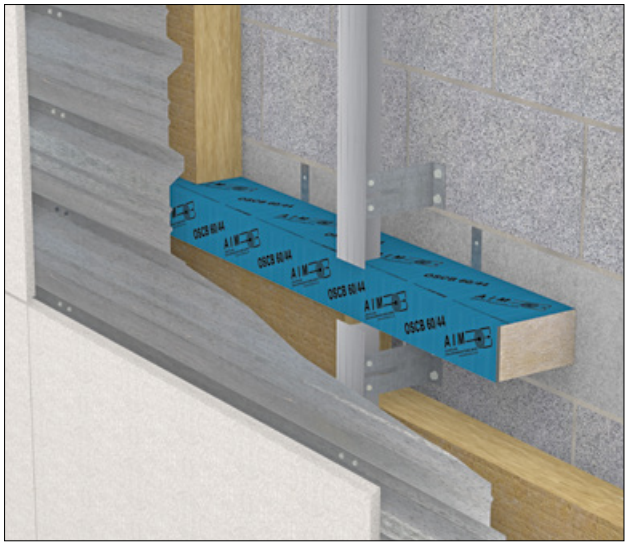
We have successfully tested our OSCB 44 range closing against a 32mm profiled sheet which are often found in some types of rainscreen façade. This approach removes the risk of trapezoidal inserts falling out of position rendering the cavity barrier infective.

Use the OSCB 44 range in conjunction with 32mm profiled sheets running horizontally or vertically without needing inserts within the profiled sheet.

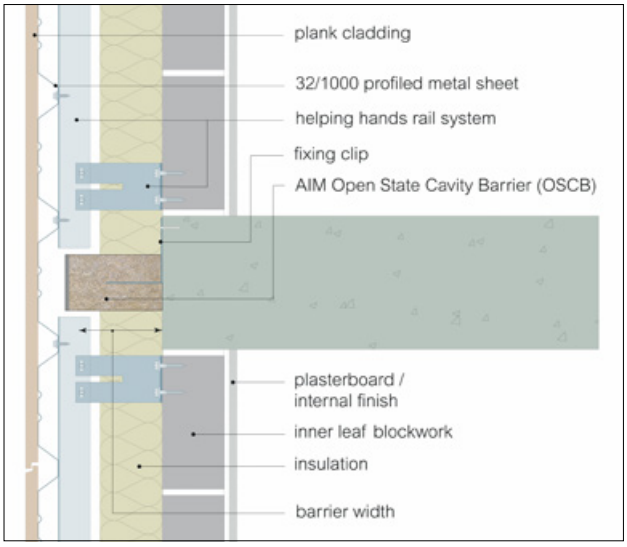
Test Report WF547452 refers.

Install the OSCB 44 in the usual manner setting it 44mm away from the furthest point in the profiled sheet.

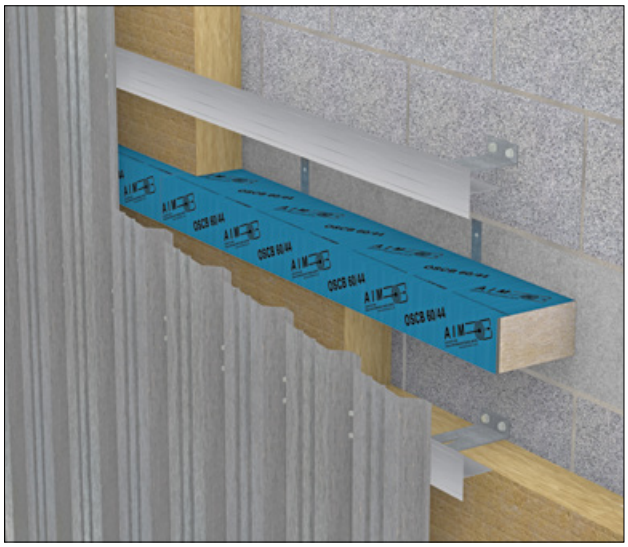
Voids between the outside of the profiled sheet but behind the façade panel can be addressed using AIM Fire Stop Blocks.



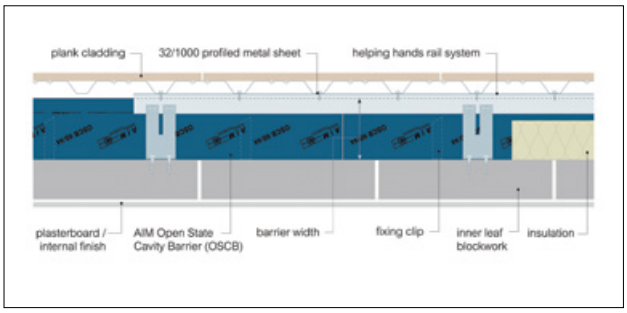
Cladding panel with the profiles running horizontally



Cladding panel with the profiles running horizontally



Cladding panel with the profiles running vertically

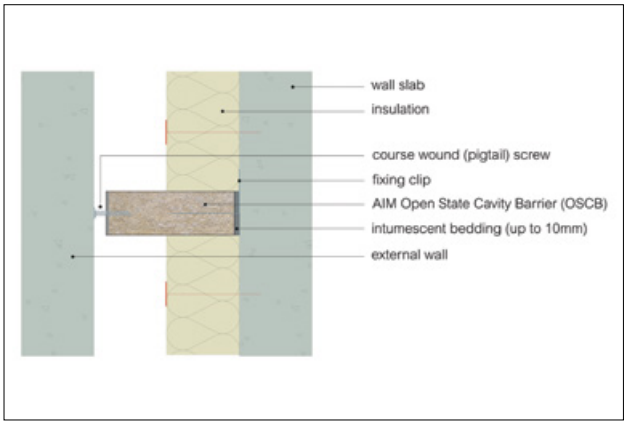


Cladding panel with the profiles running vertically

OSCB 25 RANGE PATCHED OUT WITH AIM INTUMESCENT MASTIC

Cavity sizes in rainscreen systems can vary unexpectedly, especially on remediation projects. Similarly, uneven substrates can be easily overcome by installing the OSCB on a bed of intumescent mastic. A bed of mastic, up to 10mm thick, can be used to reduce the airspace to within tested parameters or to level out an uneven surface.

AIM Open State Cavity Barrier (OSCB) 25 Range patched out with AIM Intumescent Mastic

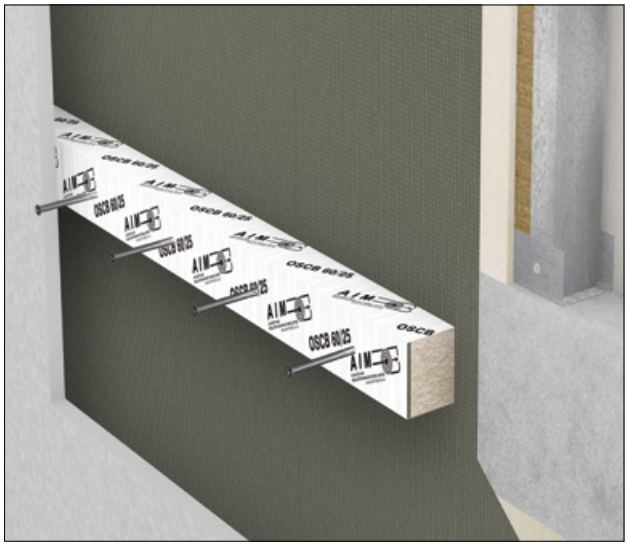


AIM Open State Cavity Barrier (OSCB) 25 Range patched out with AIM Intumescent Mastic (maintains up to 2 hours fire rating)

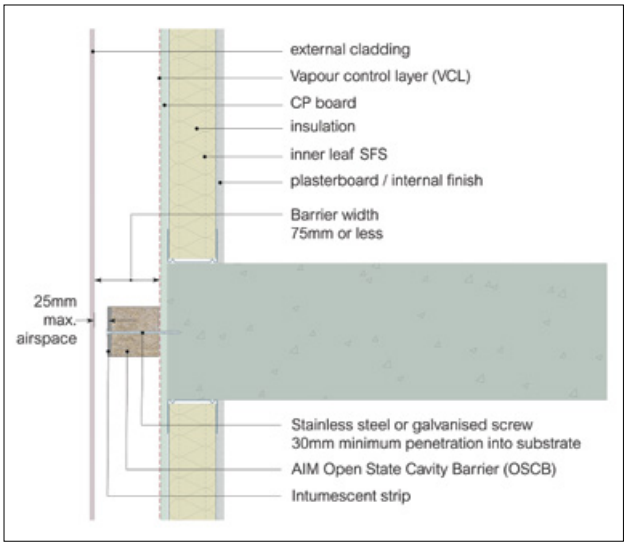
DIRECT FIXING INFORMATION

In very narrow cavities (up to 75mm) fixing clips do not provide the necessary security to the OSCB. In lieu of fixing clips, the cavity barrier can be directly fixed to the substrate using non-combustible fixings at 250mm centres. Please contact AIM Technical for more informaton.

AIM OSCB has been tested with a “direct fix” in lieu of fixing clips. The cavity barrier is secured in situ using four “non-combustible” corrosion resistant fixings with a head diameter of 8 to 11mm at 250mm centres.



OSCB with a direct fixing



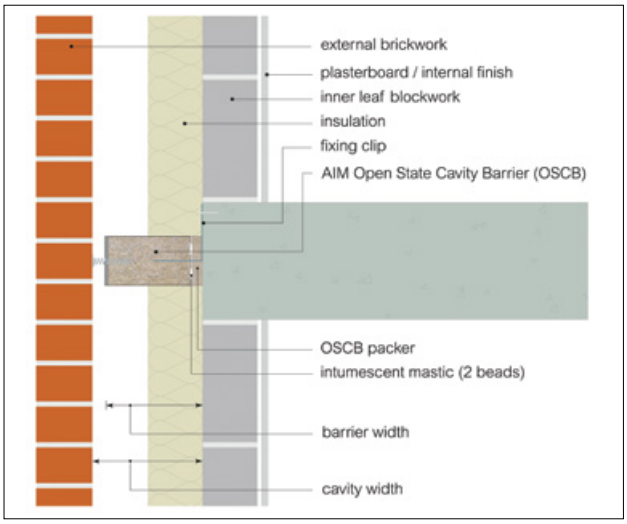
OSCB with a direct fixing

OSCB PACKERS

We have tested a solution that allows for undersized OSCB's to be packed out helping to reduce waste and providing more flexibility with varying cavity widths.

It allows the width of an undersize OSCB to be increased to bring the airspace within tested parameters.The OSCB Packers are factory manufactured polythene sleeved and installed with two beads of mastic between the packer and the OSCB. The packer must be penetrated by the fixing clips (i.e. on the internal side of the construction).

OSCB with OSCB Packer



OSCB with OSCB Packer

INSTALLATION GUIDELINES

Intumescent mastic is generally not required however it may be used to seal imperfections in the substrate.

Please contact AIM Technical for guidance on how to reduce the width of the OSCB barriers, if required.

AIM OSCB's are suitable for cavities from 75mm to 425mm* width. For cavities of less than 50mm, Tenmat Intumescent strips, available from AIM, should be used (FF102/25 for cavities up to 25mm and FF102/50 for voids up to 50mm)

AIM OSCBs should be fixed to the substrate by using suitable steel fasteners; the fixings supplier should be contacted for advice prior to installation, especially if a hard concrete has been specified.

Items required for installation

PPE abrasion resistant gloves

PPE impact resistant goggles

RPE dust mask

Sharp knife

Tape measure

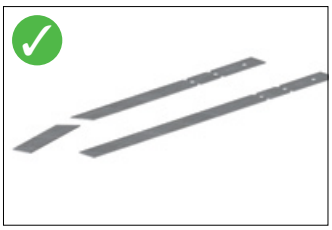
Insulation saw

Acrylic fire rated intumescent mastic (optional extra)

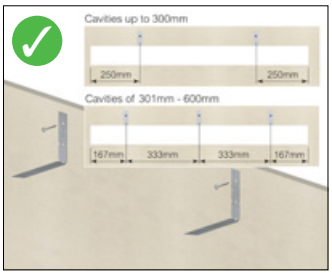
* The OSCB 25 range can be used in cavities up to 600mm where the barrier is supported by Rockwool Duoslab insulation or equivalent but is outside of the scope of IFC Certificate IFCC 1901.

OSCB 25 INSTALLATION GUIDELINES

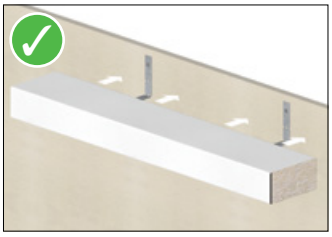
1 Form the clips to an L shape and snap the clip to length. It must penetrate at least 50% of the barriers width but should not pass through the intumescent layer.



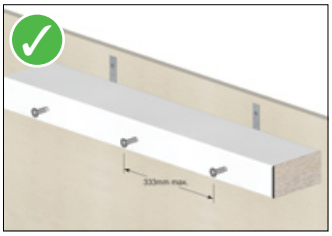
2 Fit the clips to the substrate at 333 or 500mm centres (according to the cavity size – see table on page 1) ensuring that non-combustible and corrosion resistant fixings are used. One screw is required per clip.



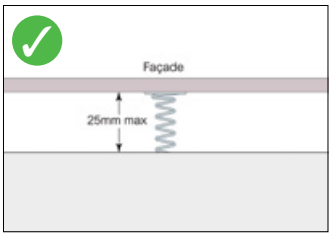
3 Impale the barrier onto the fixing clips, mid depth, ensuring the intumescent faces the open airspace. Ensure a tight butt joint between sections of barrier.



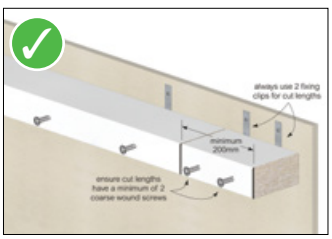
4 Insert three coarse wound screws through the intumescent and into the barrier. Once the façade is installed these should be wound out to touch the inside of the façade panel.



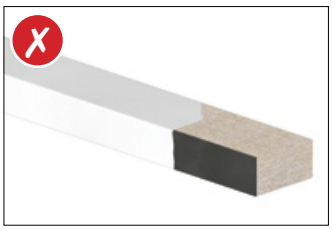
5 Make sure that the airspace doesn't exceed 25mm and that all of the coarse wound screws are in contact with the inside of the façade panel.



6 Ensure cut lengths have a minimum of two fixing clips and two course wound screws.

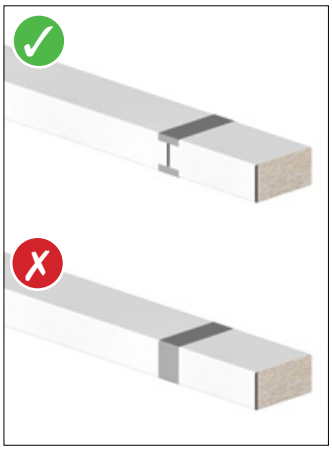


7 Do not remove the weatherproofing polythene layer.

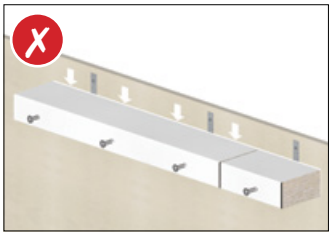


8 Ensure that the product is installed with the intumescent material facing towards the cladding panel.

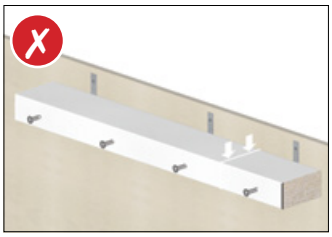
Do not apply tape over the face of the barrier. (The top and bottom surface may be taped if necessary – as shown.)



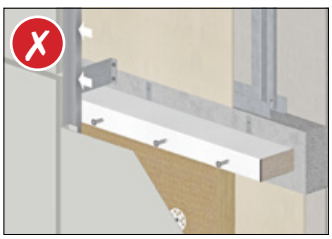
9 Make sure that the barrier is sitting flush back to the substrate and no gaps are present. Seal any gaps or voids with AIM Intumescent Mastic.



10 Make sure there are no gaps between adjoining sections of barrier. Any minor voids should be addressed with AIM Intumescent Mastic.

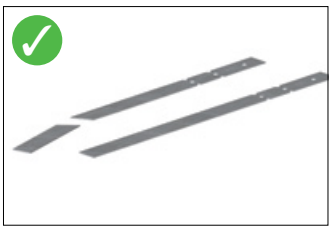


11 Make sure that the intumescent strip is clear to expand freely to the rear of the façade without obstruction. i.e. Vertical Cladding Rails or the returns of cassette panels, preventing free expansion.

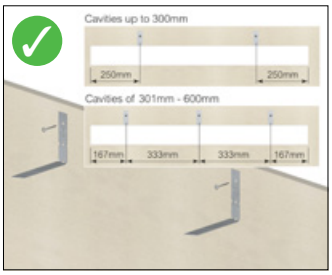


OSCB 44 INSTALLATION GUIDELINES

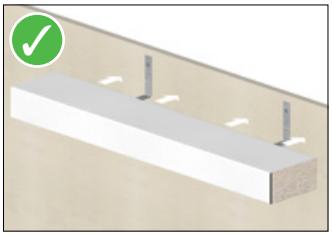
1 Form the clips to an L shape and snap the clip to length. It must penetrate at least 50% of the barriers width but should not pass through the intumescent layer.



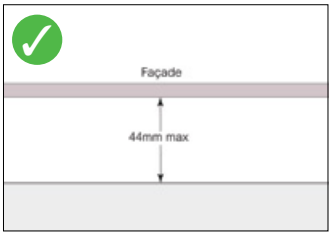
2 Fit the clips to the substrate at 333 or 500mm centres (according to the cavity size – see table on page 1) ensuring that non-combustible and corrosion resistant fixings are used. One screw is required per clip.



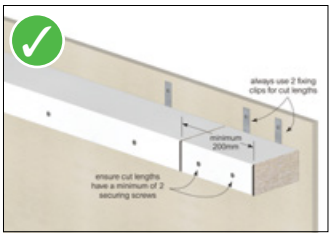
3 Impale the barrier onto the fixing clips, mid depth, ensuring the intumescent faces the open airspace. Ensure a tight butt joint between sections of barrier.



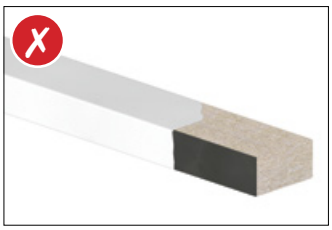
4 Make sure that the airspace doesn't exceed 44mm.



5 Ensure cut lengths have a minimum of two fixing clips and two securing screws.

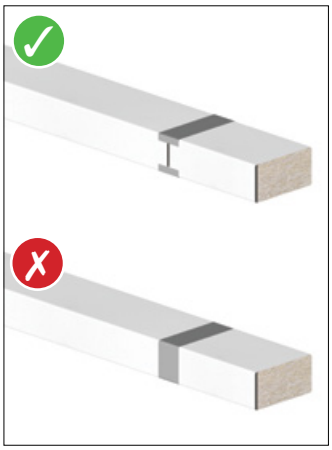


6 Do not remove the weatherproofing polythene layer.

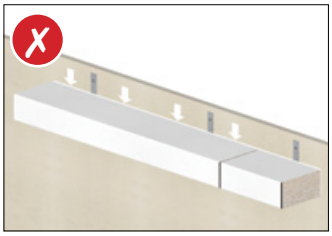


7 Ensure that the product is installed with the intumescent material facing towards the cladding panel.

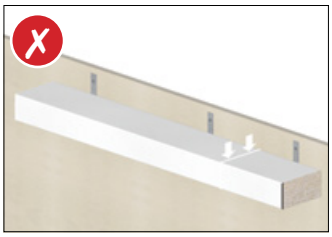
Do not apply tape over the face of the barrier. (The top and bottom surface may be taped if necessary – as shown.)



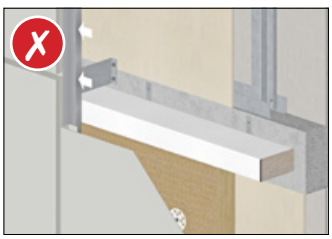
8 Make sure that the barrier is sitting flush back to the substrate and no gaps are present. Seal any gaps or voids with AIM Intumescent Mastic.



9 Make sure there are no gaps between adjoining sections of barrier. Any minor voids should be addressed with AIM Intumescent Mastic.

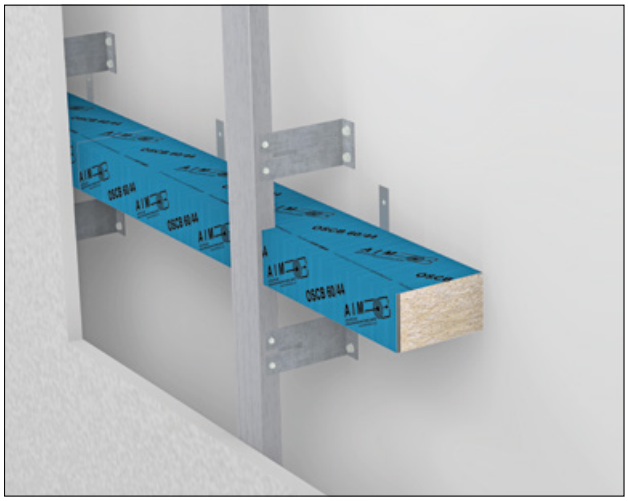


10 Make sure that the intumescent strip is clear to expand freely to the rear of the façade without obstruction. i.e. Vertical Cladding Rails or the returns of cassette panels, preventing free expansion.



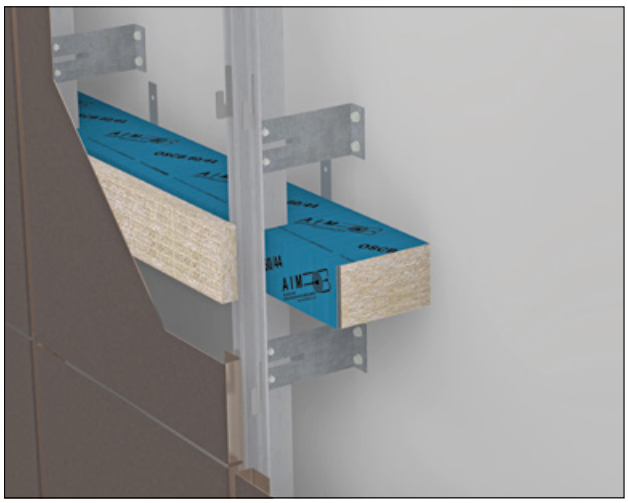
INSTALLATION GUIDELINES: AD-HOC DETAILS

OSCB WITH CLADDING RAIL INTERSECTION (CONFIGURATION 1)



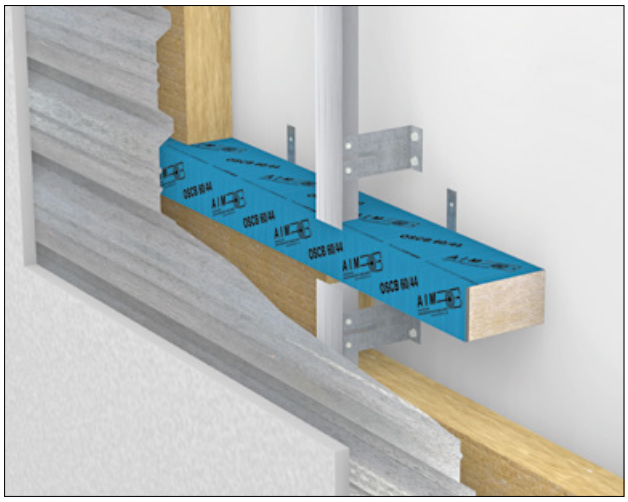
- Fit the OSCB, helping hand brackets and thermal insulation to the substrate following the standard guidelines.
- Fit the vertical rail into the helping hand braket above the cavity barrier line. Line the bottom of the rail with the bracket below and mark where the rail will intersect the OSCB.
- Cut a vertical slit in the OSCB using a serrated knife or hand saw.
- Fit the vertical rail into the OSCB. Check for any gaps or voids which mist be fully sealed with AIM Acrylic Intumescnt Mastic.

OSCB WITH OSCB CASSETTE INSERT



- Fit the OSCB and support system in the usual manner.
- Offer the cassette panel into position, mark the cavity barrier line on the inside of the panel.
- Fit the OSCB Cassette insert and adhere it in situ using a suitable adhesive.
- Colour matching securing screws (matching to the cladding panel) can be added through the sides of the cassette panel, into the ends of the OSCB Cassette Insert to provide mechanical support.

OSCB WITH PROFILED METAL SHEETING



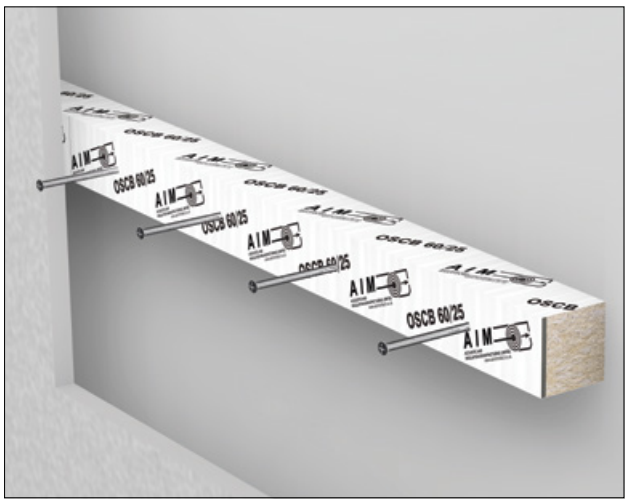
- Fit the OSCB and support system in the usual manner.
- Fit the D32 profiled sheet ensuring the distance between the face of the OSCB 44 and the furthest point of the D32 sheet does not exceed 44mm.

INSTALLATION GUIDELINES: AD-HOC DETAILS

OSCB WITH OSCB PACKER

- Measure and make sure that the width of the OSCB and OSCB Packer bring the airspace to within 25 / 44mm.
- Apply two small continious beads of AIM Acrylic Intumescent Mastic along the rear of the OSCB approximately 30mm from the top and 30mm from the bottom of the OSCB.
- Adhere the OSCB Packer to the rear of the main OSCB and push the two together.
- Fit the assembly onto the fixing clips. The OSCB Packer must be facing the internal leaf of the construction.

OSCB DIRECT FIXING (VOIDS LESS THAN 76MM)



- For voids 75mm and below fixing clips and pigtail screws are not suitable.
- Steel screws must be installed through the barrier into the substrate.
- The screws must be fitted at a maximum of 250mm centres, four per metre length of barrier. Best practice is to ensure that the screw head is flush with the surface of the barrier.
- The screws head must be between 8mm to 11mm in diameter.
- The screws must be stainless steel or galvanised.
- AIM OSCBs should be fixed to the substrate by using suitable steel fasteners; the fixings supplier should be contacted for advice prior to installation, especially if a hard concrete has been specified.
- The intumescent strip must face the open airspace
- Each length of fire barrier must tightly abutt adjoining fire barriers & vertical inferfaces.
- Please contact the AIM Technical department for more information.

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 fire barriers 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).
- “MMMF” has workplace exposure limits listed in HSE EH40.
- where possible use on tool dust extraction with HEPA filter.

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.

ENVIRONMENT

Global warming potential = zero

AIM Open State Cavity Barriers are manufactured from a variety of materials.

ORDERING

To order this product the following information will be required:

- Cavity depth in mm
- Fire Performance required
- Approximate quantity
- Delivery location

All AIM fire barriers 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 5 - 12 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 are members of

AIM working in partnership with

AIM
ACOUSTIC AND INSULATION MANUFACTURING

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W www.aimlimited.co.uk

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