

AIM Cassette Insert

An insert for cassette type cladding panels providing a flat substrate for cavity barriers to abut.



Technical Guide

Issue 1 - 08 2026

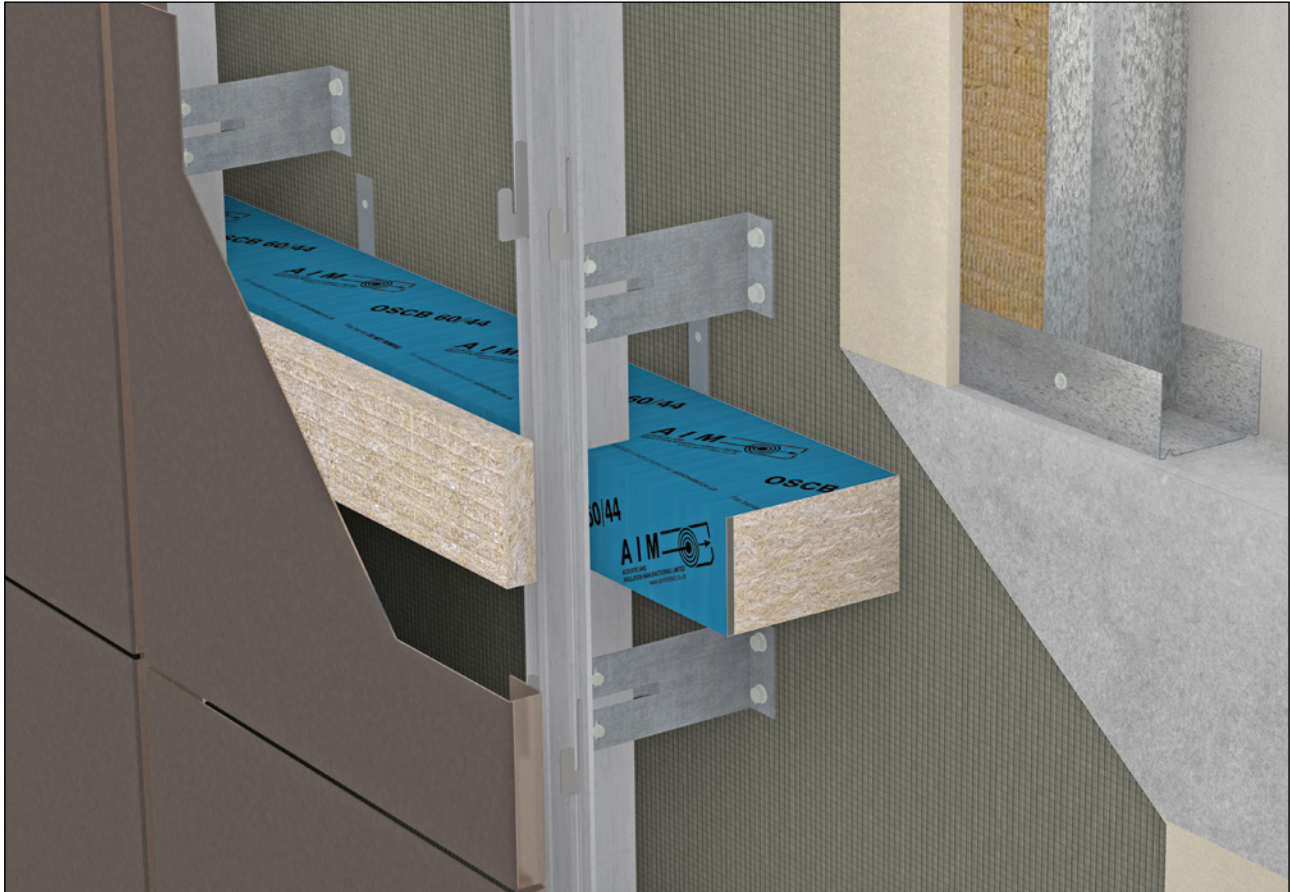


Image showing cassette in typical installation adjacent cavity barrier.

PRODUCT

The AIM Cassette Insert is a cut strip of high density Rockwool Stonewool which is factory cut to suit the dimensions of the cassette cladding panel that it is required to fill.

The AIM Cassette Insert is applied to the inner surface of the cassette panel to provide a suitable surface for the cavity barrier to close up to by removing obstructions such as the returns on the sides of cassette panels.

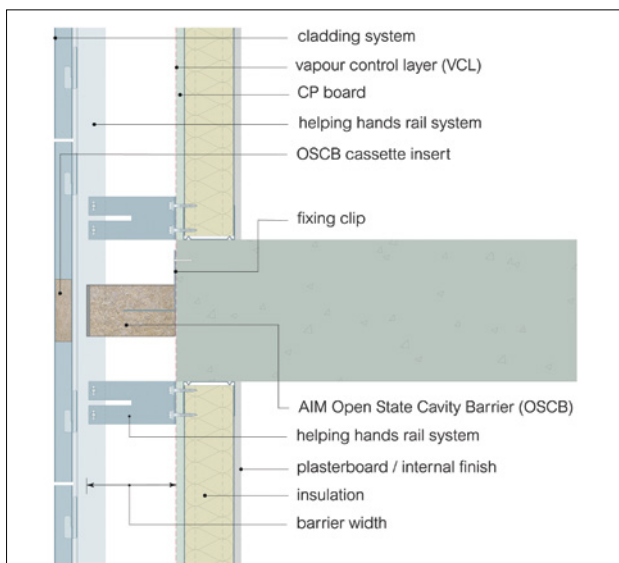


APPLICATIONS

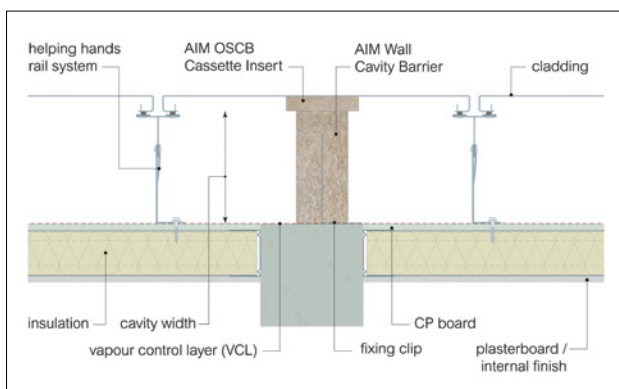
Cassette panels are a common rainscreen façade. This creates an issue with the installation and performance of cavity barriers. In the case of horizontal barriers, often with open state cavity barriers, the vertical rails, or the returns in the cassette panel prevent the free expansion of the intumescent strip.

Where a vertical cavity barrier (often a full fill cavity barrier) is used it cannot easily be notched to accept the panels without leaving gaps and voids. These gaps are invisible from the outside of the construction and may go un-noticed.

AIM Cassette Inserts may be used within Cassette Façade Panels to create a flat surface for the OSCB to close against or for the Wall Cavity Barrier to abut provide a tight and full seal.



OSCB with a cassette insert



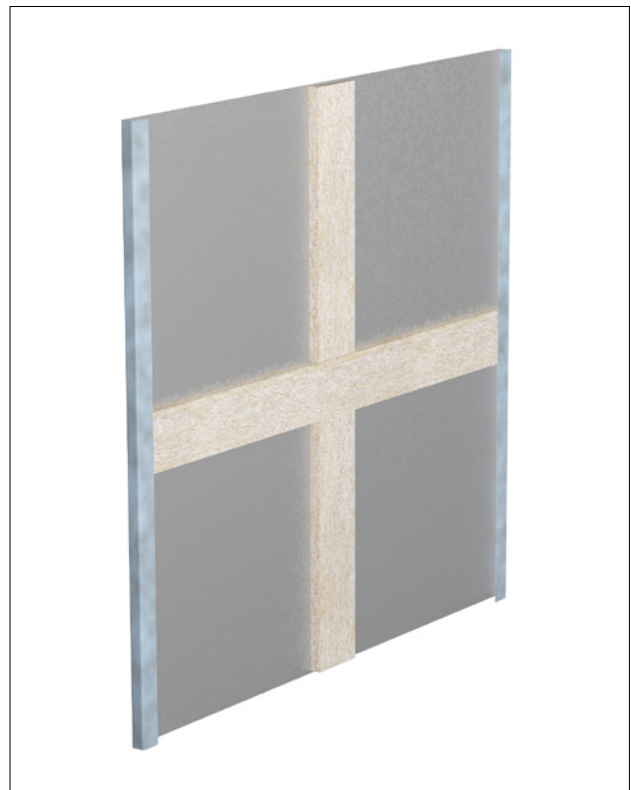
Wall Cavity Barrier with a Cassette Insert

FEATURES

- Reaction to Fire EN 13501-1 Euroclass A1.
- Available in 1000mm, 1200mm and 2000mm lengths.
- Supplied 130mm deep.
- Thicknesses to suit the application.
- Bespoke size to suit the cladding panel.
- Tested in accordance with TGD19 (Open state applications) and BS EN 1366-4 (close cavity applications).

BENEFITS

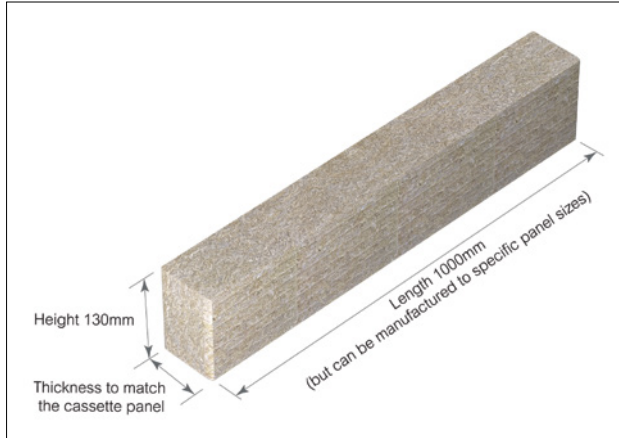
- Provides a suitable surface for the cavity barrier to close up to.
- Supplied 130mm deep allowing for easy alignment with the barrier.
- Tested for both horizontal and vertical use.
- Removes the risk of gaps and voids.
- Speeds up installation.



Detail showing horizontal insert taking precedence over vertical.

PHYSICAL INFORMATION

- Thickness - To match the cassette panel
- Height - 130mm
- Length - 1000mm as standard
- Can be manufactured to specific panel sizes.



TECHNICAL INFORMATION

There is evidence (Section 3 Table 2 Specimen A in WF 547452) that an AIM Cassette insert is successful in narrowing the cavity width when placed opposite the OSCB 44. Since this cassette insert has worked with OSCB 44 which is designed to fill larger gaps than OSCB 25 but has the same stonewool support, it is the view of KIWA Fire Safety (KFS) that the cassette insert will work satisfactorily with OSCB 25.

Test Report WF547452 refers

Sensors were placed on the barrier and Cassette Insert.

The test results achieved were:

- On the barrier: 120 minutes integrity / 60 minutes insulation
- On the Cassette Insert: 120 minutes integrity / 60 minutes insulation

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

The Ad-Hoc test used a 100mm thick Wall Cavity Barrier (Red Edition) within a 300mm cavity which closed up to an AIM Cassette Insert fitted within a replicated cassette panel as shown in the drawings.

Test Report WF544987 refers

INSTALLATION GUIDELINES

Items required for installation



PPE abrasion resistant gloves



PPE impact resistant goggles



RPE dust mask



Sharp knife



Tape measure



Insulation saw

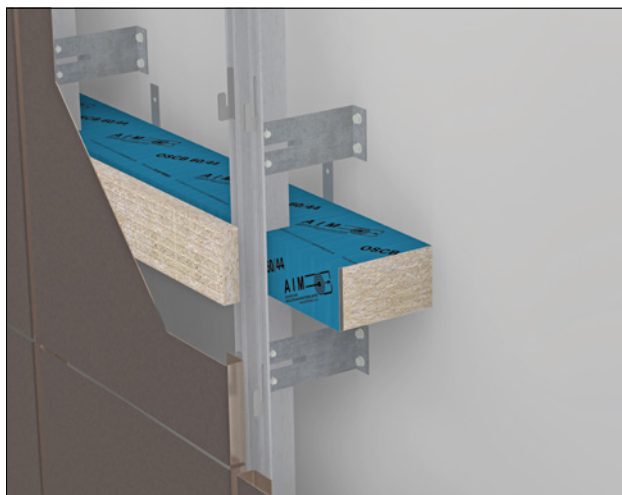


Acrylic fire rated intumescent mastic (optional extra)



A suitable adhesive

OSCB WITH AIM 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 AIM 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 AIM Cassette Insert to provide mechanical support.

WALL CAVITY BARRIER (RED EDITION) WITH AIM CASSETTE INSERT



- AIM Cassette Inserts are factory cut to suit the thickness of the cassette panel in 1000mm or 1200mm lengths.
- Cut the inserts length so that it completely fills the height of the cassette panel.
- Adhere the insert in situ using a suitable adhesive or intumescent mastic.
- If mechanical support is required, a colour coded screw can be inserted through the top and bottom of the cassette panel, into the ends of the cassette insert.

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.aimlimited.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

ORDERING

To order this product the following information will be required:

- Dimensions of the AIM Cassette Insert required in mm
- 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 1 - 08 2026

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

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

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