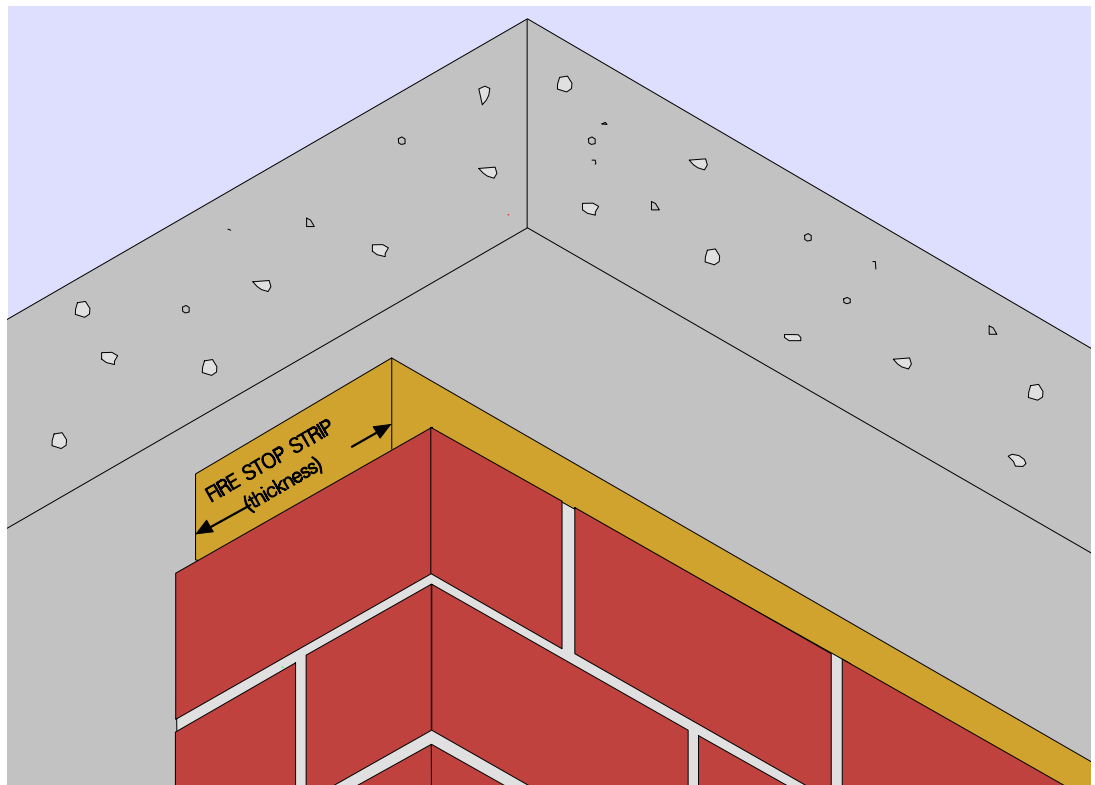


AIM FIRE STOP STRIP

December 2003

AIM High Density Mineral Wool Fire and Smoke Stop for medium size linear gaps in buildings



- ~ **Lengths: 1200mm**
- ~ **voids: 10 - 100mm**
(for 100 - 600mm voids, use AIM Partition Head Barrier)
- ~ **No intumescent mastic required**
- ~ **Up to 4 hours fire rating**
- ~ **Takes up tolerances**

AIM Fire Stop Strip is made from high density rock wool and is permanently held in place by compression without the need for adhesive or intumescent mastic. It prevents the passage of flame and smoke through the void being fire stopped. The barrier must be compressed by about 5% when installed.

AIM Fire Stop Strip is generally incorporated into the building during construction and is used to seal gaps between different building elements such as the top of a wall and the underside of a floor. The building elements must also have the fire rating required for the fire stop strip.

For gaps greater than 100mm above masonry walls and partitions, use AIM Partition Head Barrier.

Installation

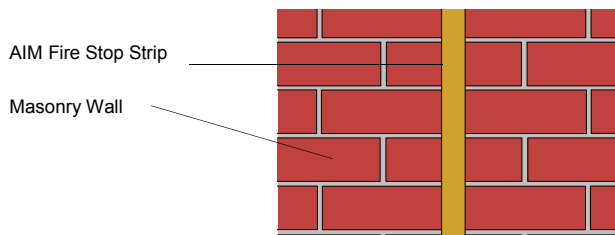
AIM Fire Stop Strip must be compressed by about 5%, when installed. It is push fitted into place and must fit tightly and completely; all butt joints also must be tight. A small piece of metal or plastic sheet may be temporarily inserted as a slip plate, if rough masonry surfaces cause problems. If the gap to be filled is between two components which might separate in a fire, the two components must be connected with steel brackets to ensure that the distance of separation cannot increase.

Acoustic Rating

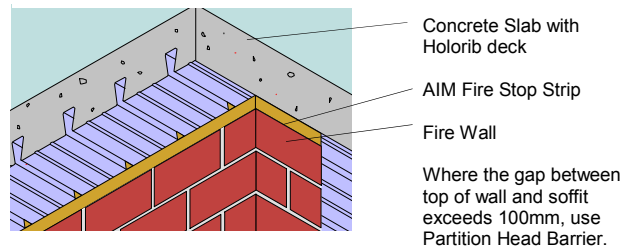
AIM Fire Stop Strip will reduce flanking transmission of sound through the void it fills by at least 9dB. When installed in a 50mm gap above a partition and where an imperforate 12.5mm plaster-board ceiling is installed to abut the partition below on both sides, the room to room sound reduction, on the path of the Fire Stop Strip, will be at least 47dB - average sound reduction index.

Typical Applications

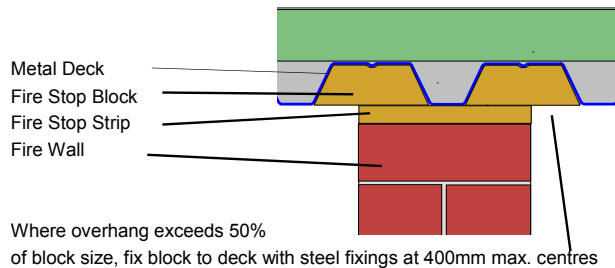
EXPANSION JOINT IN MASONRY WALL



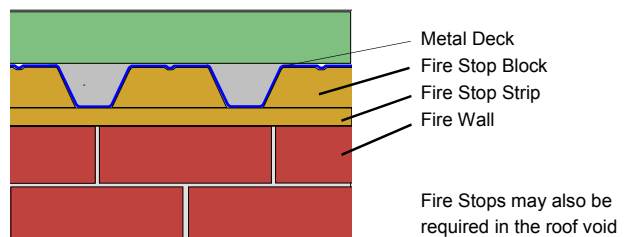
TOP OF WALL TO HOLORIB SOFFIT



TOP OF WALL TO METAL DECK (RUNNING PARALLEL)



TOP OF WALL TO METAL DECK (CROSSING WALL)



Fire Resistance

The performance of AIM Fire Stop Strip has been tested to BS 476 part 20 and assessed by Warrington Fire Research Centre to achieve the values stated below.

Fire Resistance	Minimum Thickness of Fire Stop mm	
	Gaps up to 75mm	Gaps up to 100mm
Minutes		
30	50	50
60	60	75
120	75	100
240	100 EHD*	100 EHD*

*EHD = Extra high density barrier with lap joints

AIM Fire Stop Strip is incombustible to BS 476 part 4, rated Class 1 Surface Spread of Flame to BS 476 part 7 and complies with the performance requirements of Class O of the Building Regulations

Thickness of Fire Stop

Thickness is measured as the distance between one compartment and the next, which the fire stop or barrier is separating.

Composition & Durability

AIM rock wool products 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 normal conditions found in buildings, and will perform effectively for the life of the building.

Handling & Storage

AIM rock wool products are easy to handle, but should be treated with relative care to ensure their integrity and shape is maintained. They should be stored in fairly dry conditions. Should indoor storage be impossible the product should be stacked clear of the ground and covered with a stout tarpaulin.

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