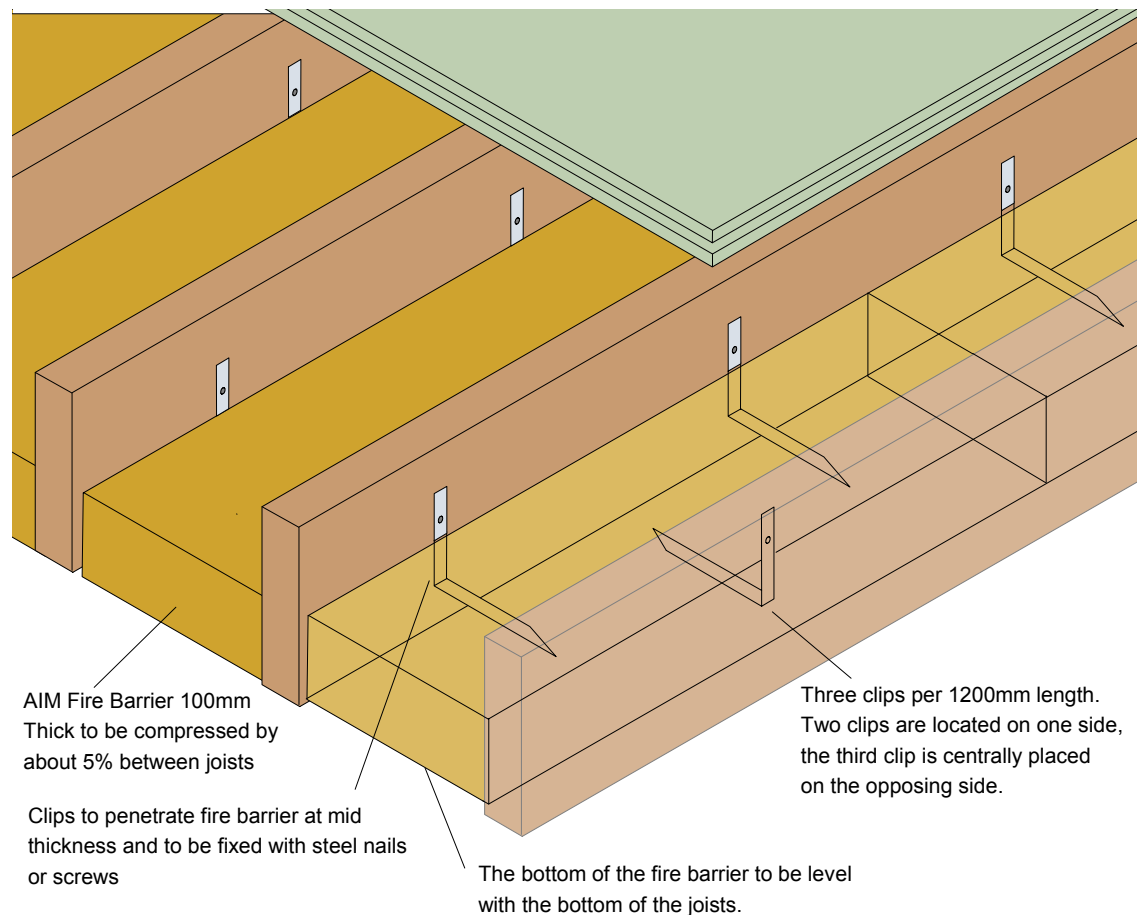


AIM FireFloor System 2

December 2003



AIM one hour fire protection system for timber floors.

- ***Available Plain or Foil Faced***
- ***Suitable for Party Floors.***
- ***Acoustic System also Available***

The AIM FireFloor System 2 provides 1 hour fire protection to the underside of structural timber floors. System 2 is suitable for new construction or for refurbishment work.

FireFloor System 2 offers the advantages of very simple installation, economy and the freedom to choose any ceiling finish under the floor. AIM Fire Barrier is fitted between the timber floor joists, from above and retained by three clips, per length.

Construction Notes

The Fire Barrier is supported by three L shaped steel securing clips per 1200mm length, with two clips on one side, placed at 300mm from each end, and one clip on the other side, placed centrally. The clips must penetrate to at least the mid width position on the barrier. The clips are fastened to the sides of the floor joist above the Fire Barrier, using steel nails or screws. The Fire Barrier is positioned so that the bottom of the barrier is level with the bottom of the floor joist (i.e. at top of ceiling level). There is no requirement for a fire rated ceiling.

The fire barrier must be compressed by about 5% when installed and the barrier butt ends must be tight compression joints. The maximum allowable joist spacing is 400mm nominal centres. The timber floor assembly must be in good condition and constructed in accordance with BS 5286: Part 2.

Installation

The FireFloor System 2 is installed, from above, into the space between floors joists; therefore in the case of refurbishment the floor boards must be removed, but the ceiling may be left in place. The clips are inserted into the AIM Fire Barrier at mid thickness with the leg pointing upwards. The Fire Barrier is compressed by about 5% into the space between floor joists, and pushed down until the bottom of the barrier is in line with the bottom of the floor joists.

The clips, which will be protruding above the fire barrier are then to be fixed to the floor joists with steel nails or screws.

The Fire Barrier is supplied in slabs 1200mm x 1200mm or 1200mm x 600mm or in 1200mm lengths with width cut to suit joist spacing.

AIM FireFloor System 2	
Specification:	AIM Plain Fire Barrier (also available foil faced)
FireFloor Slab Dimensions:	1200mm x 1200mm 1200mm x 600mm Or 1200mm lengths cut to width
FireFloor Slab Thickness:	100mm
Support to FireFloor Slab:	AIM Clips (3 per length)
Nominal Joist Spacing:	400mm (max c/c)
Floorboard Thickness:	18mm (min nominal)

Acoustic Floor

The Building Regulations require that separating floors meet acoustic criteria for both impact and airborne sound. Where this is the case, AIM FireFloor System 2 can help the overall floor construction meet the acoustic requirements of Approved Document E 2003 to the Building Regulations.

Fire Resistance

The FireFloor System 2 has been assessed in accordance with BS 476 : Part 21 : 1987 by Warrington Fire Research Centre for a fire resistance period not exceeding one hour. The specifications and fixing instructions stipulated in this data sheet must be strictly adhered to.

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.

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.

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