



INTELLIGENT WOOD SYSTEMS

IWS FIRE 60 minute Fire Resistance for Spandrel panel.

IWS FAST Board has been tested as part of a system for Fire Resistance. Twin leaf partition wall with single layer board components to give at least 60 minutes. Exova (report reference WF-376744) – BS47622 test to 87 mins insulation and 110 minutes integrity.



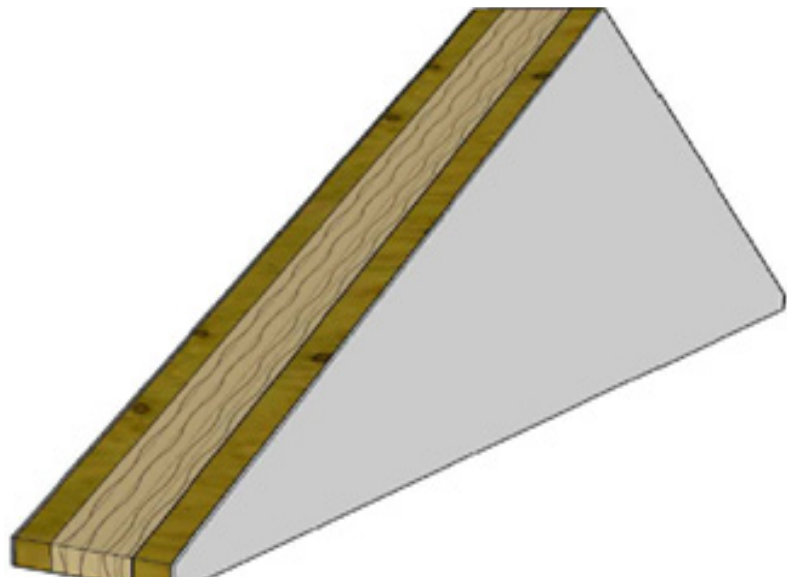
The spandrel wall solution

Cold roof party wall spandrels are to achieve 60 mins fire resistance dwelling 1 to dwelling 2 and visa versa. The IWS FAST board as a single sheathing board member in a twin leaf party wall solution is verified by the BS476-22 test. A spandrel panel make up as shown provides at least 60 mins fire resistance between the dwellings.

Material specification

9mm FAST board + 45mm wide studs with each layer fixed at 100mm centres along all the framework members using 50mm long 2.8mm diameter smooth nails. Boards to be butt jointed.

The test lasted 27 minutes past 60 minutes. Design details of the roof, ceiling, acoustics, durability, water resistance, fixing compatibility and roof bracing etc. to design team's specification. This document is for the fire robustness of the panel only



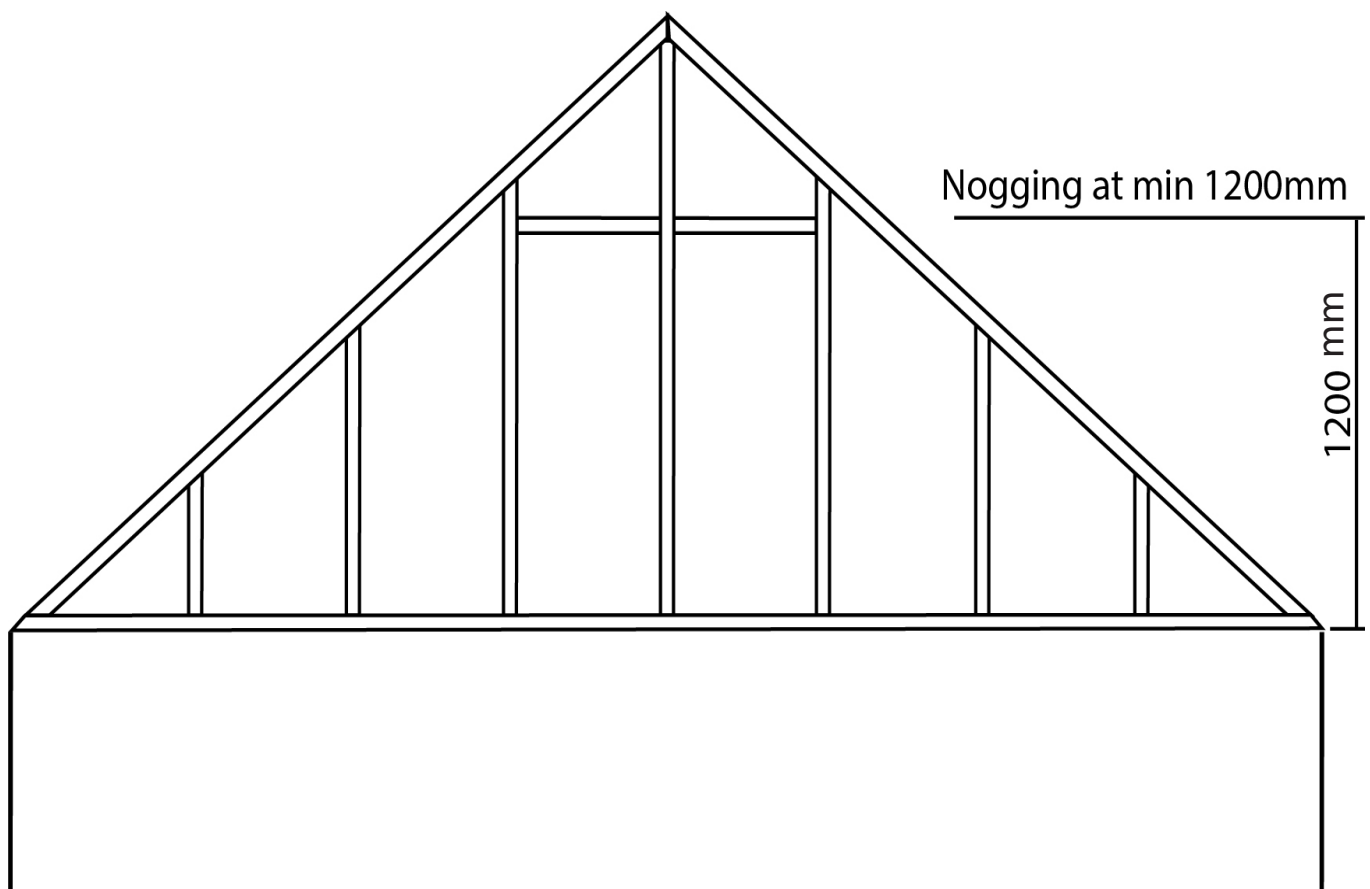
Spandrel Test

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The Spandrel Wall Solution

Cold roof party wall spandrels are to achieve 60 mins fire resistance between dwelling 1 to dwelling 2 and vice versa. The IWS FAST board as a single sheathing member in a twin leaf party wall solution is verified by the BS476-22 test. A spandrel panel make up as figure 1 provides at least 60 mins fire resistance between the dwellings



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