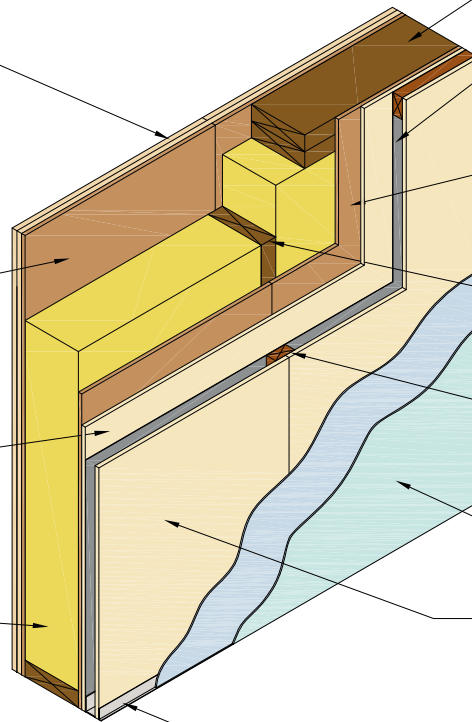


2 LAYERS OF 12.5mm PLASTERBOARD. FOIL BACKED BOARD FIXED TO TIMBER STUDS STANDARD BOARD TO WALL FACE. TAPED & FILLED AT JOINTS. BOARDS FIXED AT 150mm MAXIMUM CENTRES WITH 2.8Ø X50mm ANNULAR SHANK NAILS ENSURING THE JOINTS ARE STAGGERED BETWEEN THE TWO LAYERS.

9mm OSB 3 WOOD PANEL FIXED TO TIMBER STUDS WITH 2.8Øx50mm long RINGSHANK COIL NAILS AT 150mm MAXIMUM CENTRES.

10mm PROMATECT B FIRE PROTECTIVE LINING FIXED TO EXTERNAL FACE OF OSB 3 WOOD PANEL WITH 2.8Øx50mm long RINGSHANK COIL NAILS AT 150mm MAXIMUM CENTRES.

150mm THICK 33kg/m³ ROCK WOOL INSULATION BETWEEN TIMBER STUDS.



2 x 140x38mm GRADE C16 TIMBERS FORMING TOP PLATE.

BREATHER MEMBRANE.

9mm OSB 3 WOOD PANEL FIXED TO TIMBER STUDS WITH 2.8Øx50mm long RINGSHANK COIL NAILS AT 150mm MAXIMUM CENTRES.

140x38mm GRADE C16 TIMBER STUDS AT 600mm MAX CENTRES.

38x25mm TREATED TIMBER BATTENS AT 600mm max ctrs. FIXED USING 3.2Øx75mm LONG SHANK NAILS AT 300mm CENTRES.

PROPRIETARY TYPE POLYMERIC RENDER.

10mm PROMATECT B FIRE PROTECTIVE LINING FIXED TO TIMBER BATTENS WITH 3.2Øx75mm RINGSHANK NAILS AT 150mm MAXIMUM CENTRES.

PROPRIETARY RENDER EDGE BEAD.

Construction:

140mm-deep structural frame with studs at nominal 600 centres, clad internally with 2 layers of 12.5mm plasterboard (with vapour control layer) and 1 layer of 9mm thick OSB board (or similar, according to recommendations of structural engineer). The void between the timber studs is filled with 150mm thick 33kg/m³ rock wool. The external build-up comprises of 1 layer of 9mm thick OSB board (or similar), 1 layer of 10mm thick PROMATECT®-B, 1 layer of breather membrane, 25mm thick battens and an outer layer of 10mm thick PROMATECT®-B. A decorative finish of either paint or a thin coat polymeric render system is then applied to the finished construction.

Overall Thickness: Nominal 230mm
Nominal Weight: 80kg/m²

Maximum Height: 4000mm

Fire Performance: 60 minutes integrity, insulation and loadbearing capacity (in accordance with BS476: Part 21: 1987) from either direction.

Loadbearing capacity: Imposed load of 11.7kN per stud, 70.2kN total for 60 minutes (based upon a 3000mm x 3000mm test sample)

Important Note: All timber frame members should be designed in accordance with the requirements of BS 5268 (Structural use of timber).

U Value: 0.25 W/m²K (based on rock wool insulation λ 0.035 W/mK)

Sound Reduction: 53-56 dB (Rw)

AUTHORITY: BRE Test Report: 219034

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