

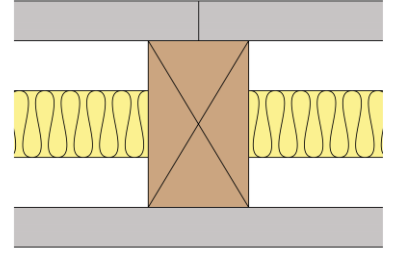
Technical Specification

This document provides guidance on how to achieve performance by exclusively using British Gypsum products or system specification.

Timber stud partitions

A026010 (EN)

One layer of Gyproc WallBoard 15mm each side of 63 x 38mm timber stud (CLS) at 600mm centres. 25mm Isover Acoustic Partition Roll (APR 1200) in the cavity.



Head design

Head plate	63 x 38mm Timber (CLS)
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Timber stud forming head plates suitably fixed to structure at 600mm centres.

Framework

Stud	63 x 38mm Timber (CLS)
Stud centres - Max (mm)	600
Abutments and openings	63 x 38mm Timber (CLS)

Timber stud suitably fixed to structure at 600mm centres.

Sole plate	63 x 38mm Timber (CLS)
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Timber stud forming sole plates suitably fixed to structure at 600mm centres.

Insulation

Insulation, Layer 1	25mm Isover Acoustic Partition Roll (APR 1200)
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Board and fixings

Board side 1, Layer 1	Gyproc WallBoard 15mm	Screws side 1, Layer 1	British Gypsum Drywall Screws 40mm
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Board side 2, Layer 1	Gyproc WallBoard 15mm	Screws side 2, Layer 1	British Gypsum Drywall Screws 40mm
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Board layer 1, fix securely to timber stud supports around the perimeter of the board and intermediate stud positions at maximum 300mm centres. External corners reduce fixings to 200mm. All joints staggered between layers. Fix working from the centre of each board. Position screws not less than 13mm from cut edges and 10mm from bound edges of boards. Set screw heads flush with plasterboard surface; do not break paper or gypsum core.

Nogging	63 x 38mm Timber (CLS)
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Timber stud nogging used to support horizontal board joints and enable board screw fixing at 300mm centres.

Sealant	Gyproc Sealant
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Locate sealant at junctions with adjoining structure and other air paths. Apply as a continuous bead to clean, dry, dust-free surfaces, leaving no gaps. After application of sealant, bulk fill gaps between floor and underside of plasterboard using Gyproc joint compound.

Finish coat

To achieve the specified performances, the system should be finished using either one of our Thistle or ThistlePro plasters, or Gyproc jointing products. See the product range guides on the British Gypsum website for more information.

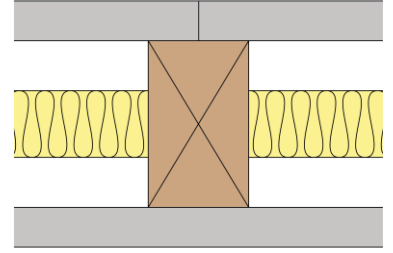
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System performance

Please read performance data with any associated standards.

Fire integrity (mins)	30
Maximum height (mm)	4000
Sound insulation (Airborne) Rw (dB)	40
Partition thickness (mm)	93
Approx. weight (kg/m ²)	23

Fire insulation (mins)	30
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Standards

These standards relate to the above performance data.

BS EN 1364-1, Fire resistance tests for non-loadbearing elements - Walls.

BS EN ISO 140-3, Acoustics - Measurement of sound insulation in buildings and of building elements. Laboratory measurement of airborne sound insulation of building elements.

Test reports

These test reports relate to the above performance data.

Fire Resistance Test Report BTC 22869F

Sound Insulation Test Report BTC 12772A