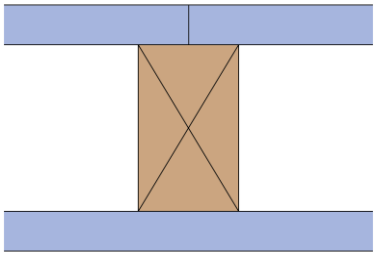
Technical Specification

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

Timber stud partitions

A026008 (EN)

One layer of Gyproc SoundBloc 15mm each side of 63 x 38mm timber stud (CLS) at 600mm centres.



Head design

Head plate	**63 x 38mm Timber (CLS)**

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)**

Timber stud forming sole plates suitably fixed to structure at 600mm centres.

Insulation

No insulation

Board and fixings

Board side 1, Layer 1	**Gyproc SoundBloc 15mm**	Screws side 1, Layer 1	**British Gypsum Drywall Screws 40mm**
Board side 2, Layer 1	**Gyproc SoundBloc 15mm**	Screws side 2, Layer 1	**British Gypsum Drywall Screws 40mm**

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)**

Timber stud nogging used to support horizontal board joints and enable board screw fixing at 300mm centres.

Sealant	**Gyproc Sealant**

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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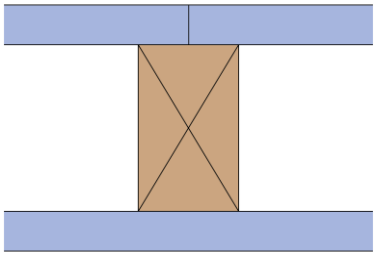

System performance

Please read performance data with any associated standards.

Fire integrity (mins)	**30**
Maximum height (mm)	**4000**

Fire insulation (mins)	**30**

Sound insulation (Airborne) Rw (dB)	**40**
Partition thickness (mm)	**93**
Approx. weight (kg/m2)	**34**

Standards

These standards relate to the above performance data.

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

BS EN ISO 10140-2, Acoustics - Laboratory measurement of sound insulation of building elements. Measurement of airborne sound insulation.

Test reports

These test reports relate to the above performance data.

Fire Resistance Test Report	BTC 21757F
Sound Insulation Test Report	BTC 22834A