

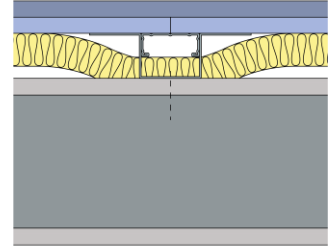
# Technical Specification

This document provides guidance on how to achieve performance and warranty requirements by exclusively using British Gypsum products or system specifications.

GypLyner Single

## B226003 MR1 (EN)

100mm solid block wall of density 1700 kg/m<sup>3</sup> with 13mm plaster each side and Gypframe GL1 Lining Channel framework fixed to one side to give 35mm cavity with 25mm Isover Acoustic Partition Roll (APR 1200) in the cavity clad with an inner layer of Gyproc SoundBloc 12.5mm and an outer layer of Gyproc SoundBloc MR 12.5mm to one side.



## Background

Background	Plaster (13mm), 100mm Solid block wall (density 1700kg/m <sup>3</sup> ), Plaster (13mm)
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## Head design

Head channel	<b>Gypframe GL8 Track</b>
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Track suitably fixed to soffit at 600mm centres.

## Framework

Stud	<b>Gypframe GL1 Lining Channel</b>		
Stud centres - Max (mm)	600		
Channel connector	<b>Gypframe GL3 Channel Connector</b>		
Bracket type	<b>Gypframe GL2 Bracket</b>	Bracket centres - Max (mm)	800
Bracket fixing	<b>British Gypsum Wafer Head Drywall Screws 13mm</b>		
Fixing method	<b>Gypframe GL11 GypLyner Anchor</b>		

The brackets are fixed to the background with anchors for solid backgrounds or proprietary fixings for hollow backgrounds. Position lining channels at equal centres, maintaining sequence across openings, and locate in floor and ceiling track. Provide additional lining channels as necessary to ensure support to all vertical edges of boards. The legs of the bracket are fixed to the lining channel with wafer head screws then bent back from the lining channel face. For internal corners, legs are bent across the lining channel face and fixed using wafer head screws. Ensure end board joints do not coincide with lining channel joints.

Base channel	<b>Gypframe GL8 Track</b>
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Track suitably fixed to floor at 600mm centres.

## Insulation

Insulation, Layer 1	<b>25mm Isover Acoustic Partition Roll (APR 1200)</b>
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## Board and fixings

Board side 1, Layer 1	<b>Gyproc SoundBloc 12.5mm</b>	Screws side 1, Layer 1	<b>British Gypsum Drywall Screws 25mm</b>
Board side 1, Layer 2	<b>Gyproc SoundBloc MR 12.5mm</b>	Screws side 1, Layer 2	<b>British Gypsum Drywall Screws 35mm</b>

Board layer 1 (inner), fix securely to Gypframe metal supports around the perimeter of the board at maximum 300mm centres; Board layer 2 (outer), fix securely to all Gypframe metal 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.

Fixing strap	<b>Gypframe GFS1 Fixing Strap</b>
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Used to support horizontal board joints in face layer of multiple layer board linings and enable board screw fixing at 300mm centres.

Sealant	<b>Gyproc Sealant</b>
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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 jointing 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. For further guidance on skimming moisture resistant grade boards see the White Book - Finishes section.

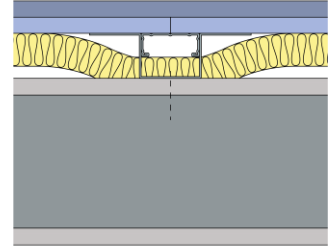
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## System performance

Please read performance data with any associated standards.

Sound insulation (Airborne) $R_w$ (dB)	<b>60</b>
Minimum cavity / offset (mm)	<b>35</b>

Sound insulation (Airborne) $R_w + C_{tr}$ (dB)	<b>55</b>
Maximum cavity / offset (mm)	<b>125</b>

## Standards

These standards relate to the above performance data.

BS 2750-3, Measurement of sound insulation in buildings and of building elements. Laboratory measurements of airborne sound insulation of building elements.

## Further information

**SpecSure®** system performance warranty confirms that British Gypsum proprietary systems will perform as specified for the lifetime of the building. The **SpecSure®** warranty requires that all components are specified in full and constructed in accordance with British Gypsum's installation guidance. For more details see the British Gypsum website. Always check with the design team before making any changes to the chosen specification, ensuring appropriate substantiation is sought to confirm that the solution still meets all required project performances.