

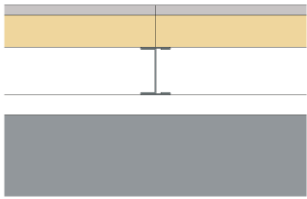
Technical Specification

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

GypLyner Independent

GIWL 60 I 50 PIR (B) (EN)

One layer of Gyproc ThermaLine PIR 53mm to one side of Gypframe 60 I 50 'I' Stud framework forming an independent lining to masonry background. For heights up to 2400mm.



Background

Background	Masonry
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Head design

Head channel	Gypframe 62 FEC 50 Folded Edge Standard Floor & Ceiling Channel
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Gypframe channel suitably fixed to soffit at 600mm centres.

Deflection allowance	Vertical deflection only. To be determined by a Structural Engineer.
Dropped soffit	For principles of deflection head construction refer to detail ST-224-Z2LA-06

Framework

Stud	Gypframe 60 I 50 'I' Stud
Stud centres - Max (mm)	600
Abutments and openings	Gypframe 60 S 50 'C' Stud

Gypframe 'C' stud suitably fixed to structure at 600mm centres.

Base channel	Gypframe 62 FEC 50 Folded Edge Standard Floor & Ceiling Channel
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Gypframe channel suitably fixed to floor at 600mm centres.

Insulation

No insulation

Board and fixings

Board side 1, Layer 1	Gyproc ThermaLine PIR 53mm	Screws side 1, Layer 1	British Gypsum Drywall Screws 65mm
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Board layer 1, fix securely to Gypframe metal supports around the perimeter of the board and intermediate stud positions at maximum 300mm centres. External corners reduce fixings to 200mm. 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	Gypframe GFS1 Fixing Strap
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Used to support horizontal board joints and enable board screw fixing at 300mm centres.

Fixing T	Gypframe GFT1 Fixing 'T'
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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 jointing compound.

Finish coat

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.

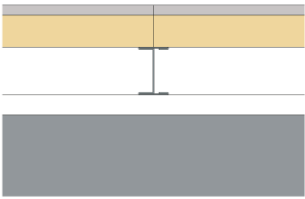
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System performance

Please read performance data with any associated standards.

Maximum height (mm)	2400
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The maximum heights quoted are based upon a limiting deflection of L/240 at 200 Pa.

Minimum cavity / offset (mm)	30
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The minimum cavity/offset is recommended to avoid bridging between the background and metal studs over the lining system height.

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.