

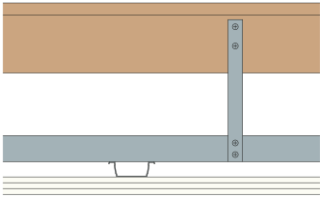
Technical Specification

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

GypCeiling MF

G106035 (EN)

21mm T&G softwood or wood particle floor boarding on 38 x 195mm solid timber joists at 600mm centres. GypCeiling MF suspended ceiling fixed to joists and lined with three layers of Glasroc F MultiBoard 10mm.



Background

Structural background	21mm T & G Floor Boarding, 38 x 195mm Solid Joists @ 600mm centres
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Framework

Suspension type	Gypframe MF8 Strap Hanger	Suspension centres - Max (mm)	1200
Suspension type (alternative)	Gypframe FEA1 Steel Angle		

Steel angle section is the preferred suspension option when a plaster finish is specified; it can be used up to 5600mm, alternatively Strap hanger can be used for suspension up to 1000mm.

Suspension fixing	British Gypsum Drywall Screws 35mm British Gypsum Wafer Head Jack-Point Screws 13mm
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Lower end of suspension fixed to primary framework using two wafer head screws and upper end of suspension secured to joists using two British Gypsum Drywall Screws 35mm. If plenum depth greater than 2900mm use two angle sections overlapped by 200mm and fixed together using three British Gypsum Wafer Head Drywall Screws 13mm.

Primary framework	Gypframe MF7 Primary Support Channel	Primary framework centres - Max (mm)	1200
Secondary framework	Gypframe MF5 Ceiling Section	Secondary framework centres - Max (mm)	450
Framework fixing	British Gypsum Wafer Head Jack-Point Screws 13mm		
Framework fixing (alternative)	Gypframe MF9 Connecting Clip		

Ceiling sections fixed to primary framework using wafer head screws or clips.

Perimeter framing	Gypframe MF6 Perimeter Channel
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Perimeter channel suitably fixed to background at 600mm centres.

Insulation

No insulation

Board and fixings

Ceiling board, Layer 1	Glasroc F MultiBoard 10mm	Ceiling screws, Layer 1	British Gypsum Drywall Screws 25mm
Ceiling board, Layer 2	Glasroc F MultiBoard 10mm	Ceiling screws, Layer 2	British Gypsum Drywall Screws 35mm
Ceiling board, Layer 3	Glasroc F MultiBoard 10mm	Ceiling screws, Layer 3	British Gypsum Drywall Screws 40mm

Fix ceiling boards securely to all supports at maximum 230mm centres. All joints staggered between layers. Fix working from the centre of each board. Position screws not less than 13mm from cut edges of boards. Set screw heads flush with plasterboard surface; do not break gypsum core.

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.

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.

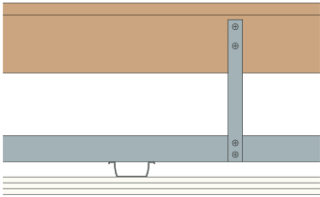
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System performance

Please read performance data with any associated standards.

Fire integrity (mins)	90
Minimum cavity / plenum (mm)	277
Maximum ceiling load (kg/m2)	30
Approx. weight (kg/m2)	30

Fire insulation (mins)	90
Maximum cavity / plenum (mm)	5600

Standards

These standards relate to the above performance data.

BS EN 1365-2, Fire resistance tests for loadbearing elements - Floors and roofs.

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.