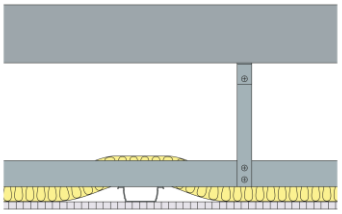
Technical Specification

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

GypCeiling MF

C10A063 (EN)

GypCeiling MF suspended ceiling fixed to concrete structure to give a 200mm plenum depth and lined with one layer of Rigitone 12-20/66 and 50mm Isover Timber Frame Batt 32 in the plenum.



Background

Structural background	Concrete

Framework

Soffit connection	**Gypframe MF12 Soffit Cleat**		
Suspension type	**Gypframe FEA1 Steel Angle**	Suspension centres - Max (mm)	900

Steel angle section can be used up to 5600mm.

Suspension fixing	**Gypframe MF11 Nut and Bolt** **British Gypsum Wafer Head Jack-Point Screws 13mm**

Lower end of suspension fixed to primary framework using two wafer head screws and upper end of suspension secured to soffit via soffit cleat / nut and bolt. 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)	1000
Secondary framework	**Gypframe MF5 Ceiling Section**	Secondary framework centres - Max (mm)	330
Framework fixing	**British Gypsum Wafer Head Jack-Point Screws 13mm**		

Ceiling sections fixed to primary framework using wafer head screws.

Perimeter framing	**Gypframe MF6 Perimeter Channel**

Perimeter channel suitably fixed to background at 600mm centres.

Insulation

Insulation, Layer 1	**50mm Isover Timber Frame Batt 32**

Board and fixings

Ceiling board, Layer 1	**Rigitone 12-20/66**	Ceiling screws, Layer 1	**Rigitone Screws 30mm**

Fix ceiling boards securely to all supports at maximum 230mm centres (reduced to 150mm at board ends). Do not fix into ceiling perimeter framing. 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.

Finish coat

To achieve the specified performances, the system should be finished using Rigitone jointing products. See the product range guides on the British Gypsum website for more information.

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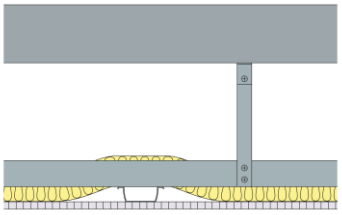

System performance

Please read performance data with any associated standards.

Sound absorption class	**C**
Sound absorption coefficient (αw)	**0.7**
Minimum cavity / plenum (mm)	**200**
Maximum ceiling load (kg/m2)	**30**

Maximum cavity / plenum (mm)	**5600**

Standards

These standards relate to the above performance data.

BS EN 20354, Acoustics - Measurement of sound absorption in a reverberation room.

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.