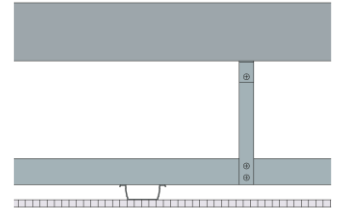


Technical Specification

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

GypCeiling MF C10A059 (EN)

GypCeiling MF suspended ceiling fixed to concrete structure to give a 200mm plenum depth and lined with one layer of Rigitone 8-15-20 Super.



Background

Structural background	Concrete
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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
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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
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Perimeter channel suitably fixed to background at 600mm centres.

Insulation

No insulation

Board and fixings

Ceiling board, Layer 1	Rigitone 8-15-20 Super	Ceiling screws, Layer 1	Rigitone Screws 30mm
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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.

System performance

Please read performance data with any associated standards.

Sound absorption class	D
Sound absorption coefficient (α_w)	0.45
Minimum cavity / plenum (mm)	200
Maximum ceiling load (kg/m ²)	30

Maximum cavity / plenum (mm)	5600
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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.

Technical Support Team | british-gypsum.com

This Technical Specification stipulates all British Gypsum products used within a system. These must be used to achieve the stated performance and the **SpecSure®** system warranty.

This document is provided to customers free and the information shown is subject to the accuracy of the information provided to us when the document was originally requested. The document should therefore be approved by the project design and management authority before use to ensure it meets their specific project requirements. It should also be read in conjunction with current literature available at british-gypsum.com. This document is valid at the time of issue, please check with British Gypsum for the latest version. No duty of care is owed to the recipient or any third party and British Gypsum excludes all liability in respect of the information shown to the fullest extent possible save where death or personal injury is caused due to British Gypsum's negligence or for fraud.