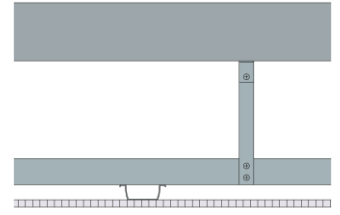


# Technical Specification

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

## GypCeiling MF C10A014 (EN)

GypCeiling MF suspended ceiling fixed to concrete structure to give a 400mm plenum depth and lined with one layer of Gyptone Quattro 46.



## Background

Structural background	Concrete
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## Framework

Soffit connection	<b>Gypframe MF12 Soffit Cleat</b>		
Suspension type	<b>Gypframe MF8 Strap Hanger</b>	Suspension centres - Max (mm)	1200
Suspension type (alternative)	<b>Gypframe FEA1 Steel Angle</b>		
Strap hanger should be used for suspension up to 1000mm. Steel angle section can be used up to 5600mm.			
Suspension fixing	<b>Gypframe MF11 Nut and Bolt</b> <b>British Gypsum Wafer Head Jack-Point Screws 13mm</b>		

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	<b>Gypframe MF7 Primary Support Channel</b>	Primary framework centres - Max (mm)	1200
Secondary framework	<b>Gypframe MF5 Ceiling Section</b>	Secondary framework centres - Max (mm)	600
Framework fixing	<b>British Gypsum Wafer Head Jack-Point Screws 13mm</b>		
Framework fixing (alternative)	<b>Gypframe MF9 Connecting Clip</b>		

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

Perimeter framing	<b>Gypframe MF6 Perimeter Channel</b>
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Perimeter channel suitably fixed to background at 600mm centres.

## Insulation

*No insulation*

## Board and fixings

Ceiling board, Layer 1	<b>Gyptone Quattro 46</b>	Ceiling screws, Layer 1	<b>British Gypsum Drywall Screws 25mm</b>
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Fix ceiling boards securely to all supports at maximum 230mm centres. 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.

Access hatch	<b>Gyptone Quattro 46 Access Hatch</b>
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Access in to ceiling cavity can be achieved by installing a complete frame and hatch comprising a frame 600mm x 600mm x 12.5mm thick and hatch opening 510mm x 510mm x 19mm thick including back panel.

## Finish coat

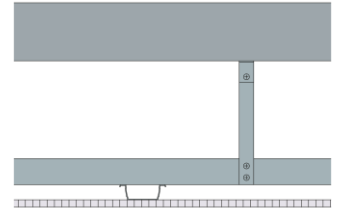
To achieve the specified performances, the system should be finished using Gyproc jointing products. See the product range guides on the British Gypsum website for more information.

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## System performance

Please read performance data with any associated standards.

Sound absorption class	<b>D</b>
Sound absorption coefficient ( $\alpha_w$ )	<b>0.45</b>
Minimum cavity / plenum (mm)	<b>400</b>
Maximum ceiling load (kg/m <sup>2</sup> )	<b>30</b>

Maximum cavity / plenum (mm)	<b>5600</b>
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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.