Technical Specification

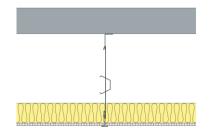
This document provides guidance on how to achieve performance and warranty requirements by exclusively using British Gypsum products or system specifications.

GypCeiling Grid

C10A148 (C) (EN)

GypCeiling Grid suspended ceiling system using CasoLine Quick-Lock Grid T15 Tees with a 300mm plenum depth incorporating a Gyptone Quattro 20 E15 tile with 75mm Isover Acoustic Slab in plenum.





Background

Structural background	Concrete

Framework

Soffit connection	Gypframe MF12 Soffit Cleat		
Suspension type	CasoLine Quick-Lock Grid Hangers	Suspension centres - Max (mm)	1200

Suspend ceiling using grid hangers with an appropriate size for the required plenum, secured to soffit cleat via hook. Alternatively, suspension wire (min. 14 swg by others) secured to soffit using fixings recommended by suspended ceiling contractor.

Primary framework	CasoLine Quick-Lock Grid Main Tee 15/38
	CasoLine Quick-Lock Grid Cross Tee (600) 15/38
	CasoLine Quick-Lock Grid Cross Tee (1200) 15/38

To achieve a 600 x 600 grid the primary framing should be installed using CasoLine Quick-Lock Grid Main Tee 15/38 at 1200mm centres, CasoLine Quick-Lock Grid Cross Tee (1200) 15/38 at 600mm centres and CasoLine Quick-Lock Grid Cross Tee (600) 15/38 at 1200mm centres. All tees click together.

Perimeter framing CasoLine Quick-Lock Shadowline Moulding CLSM04	Perimeter framing
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Perimeter framing should be suitably fixed to the wall at 300mm centres (maximum 50mm in from a corner). All corners should be mitred.

Insulation

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Board and fixings

Ceiling membrane	Gyptone Quattro 20 E15
Ceiling board edge profile	E15

System performance

Please read performance data with any associated standards.

Sound absorption class	В
Sound absorption coefficient (αw)	0.8
Minimum cavity / plenum (mm)	300

Maximum cavity / plenum (mm)	2010

Standards

These standards relate to the above performance data.

BS EN ISO 354, 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.