

System type – **Timber Joist**

Product Substantiation Report (PSR) reference – **C106050**

Performance characteristics

Ceiling Fire Resistance (BS 476): **60 minutes**

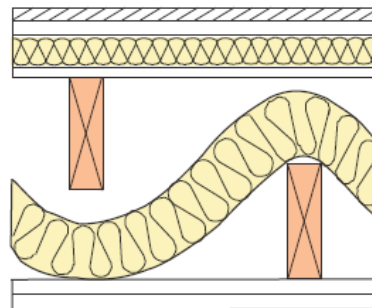
Airborne Laboratory Sound Resistance (BS EN 717): **62 R_wdB**

Impact Laboratory Sound Transfer (BS EN 717): **56 L_{nw}dB**

Ceiling depth below structure (excluding finishes): **31.5mm**

Performance criteria stated above relates to directly fixing Gyproc plasterboards to the underside of a **timber joist structure with wood flooring** of following minimum characteristics.

Timber joist minimum width:	44mm
Timber joist maximum centres:	600mm
Minimum thickness & grade of flooring:	Walking surface of 18mm tongue & groove Wood board flooring, spot bonded with Gyproc Sealant at 300mm centres to a Substrate of Gyproc Plank laid on 25mm Isover Sound Deadening Floor Slabs (64kg/m³) laid on a minimum of 12mm Wood based sheet sub deck nailed to joists



Framing components

Timber structure as outlined above

Acoustical sealant: **Gyproc Sealant applied around perimeter of ceiling**

Drawing references: Refer to relevant Architects drawings

Plasterboard components

Number of plasterboard layers to underside:	2
Gyproc plasterboards:	
Layer 1 (Inner):	15mm Gyproc SoundBloc
Layer 2	15mm Gyproc SoundBloc
Layer 3	n/a

Screw fixings for boarding:	
Layer 1 (Inner):	45mm Gyproc Drywall Screws
Layer 2	60mm Gyproc Drywall Screws

- Gypframe SIF Floor Screws installed through flooring, Gyproc Plank and edge flanges of Gypframe SIF Channels, not directly into timber joists.
- All underside board joints installed staggered in accordance with Gyproc's current installation recommendations.
- Joints in underside face layer boards treated in accordance with **Gyproc Paper Joint Tape** method.
- Gyproc DryWall screws installed at maximum 230mm centres.
- Gyproc DryWall screws must maintain a minimum 10mm penetration through Gypframe metal framing.

Insulation components

Insulation specification required above ceiling: **100mm Isover Modular Roll** laid between joists

Finishing

2mm **Gyproc Skimcoat** plaster (or **Carlite Finish**) applied in accordance with Gyproc's current recommendations.

Or

1 coat of **Gyproc Drywall Primer** prior to direct decoration (applied as soon as possible after board fixing is completed).

Qualifications

All materials unless otherwise indicated shall be supplied by Gyproc, and shall be installed in accordance with their current published instructions and generally in accordance with all relevant Standards. Systems installed in full accordance with Gyproc's recommendations comprising of genuine Gyproc and Isover branded components qualify for the SpecSure lifetime system warranty.



Health & Safety

Ensure that suitable personal protection is worn when handling Gyproc and Isover products/systems. All relevant Health and Safety Legislation and Guidelines must be followed. The relevant Material Safety Data Sheets must be referred to prior to specifying, handling or installing Gyproc & Isover products and systems.

Installation

For full installation assistance refer to Gyproc Systems Solutions and Installation Guide literature which is available at www.gyproc.ie. Alternatively contact the Technical Service department at 1800 744480 (RoI) or 0845 3990159 (NI). Full specification, detailing and site support can be offered for your project specific requirements.

Manufacturer

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