



SPEC No.	LOADBEARING CAPACITY	STC	RW	IIC	FIRE RESISTANCE RATING	LINING REQUIREMENTS
GBDFA 60c	LB	56	56	* 72	60/60/60	2 x 13mm GIB Noiseline®

**FLOOR FRAMING**

Floor joists shall comply with NZS 3604, be spaced at 600mm centres maximum and have a depth of 200mm minimum.

**Alternative Floor Framing:** Use either Hyspan® or Hybeam® HJ series joists designed for strength and serviceability, no less than 200mm deep and spaced at no more than 600mm. Consult the joist manufacturer regarding construction of the solid blocking contained in the floor/ceiling to wall junctions.

**FLOORING**

Minimum flooring shall be nominal 20mm particle board or minimum 17mm thick structural plywood fixed to the manufacturer’s instructions. Nogs are required behind sheet joints. If tongue and groove flooring is used verification of performance must be obtained from the supplier of the flooring system.

**GIB QUIET CLIP® AND BATTENS**

The GIB Quiet Clip® shall be fastened to the joists at maximum 1200mm centres (and no less than 900mm centres) to support the GIB® Rondo® metal ceiling battens. The battens shall be spaced at 600mm centres maximum.

**INSTALLING THE GIB QUIET CLIP®**

Use 3 x 32mm x 8g GIB® Grabber® Wafer Head Screws. Insert the first screw into the middle rubber grommet, tighten enough to hold the GIB Quiet Clip® in place, adjust the clip to the correct height, insert the remaining two screws and tighten.

Do not over tighten the screws to a point where the grommet is crushed. The screws should be tightened enough to allow the flexibility to remain in the connection between the grommet and the joists.

**SOUND CONTROL INFILL**

Ceiling overlaid with R1.8 (75mm) Pink® Batts® glasswool insulation.

**CEILING LINING**

2 layers of 13mm GIB Noiseline® fixed at right angles to the battens. Offset the joints of the outer layer by 600mm from those of the inner layer. All sheet end butt joints shall occur on the battens and are offset between the first and second layers. Sheets are touch fitted.

**FASTENING THE LINING**

**Fasteners**

INNER LAYER: 25mm x 6g GIB® Grabber® Self Tapping Drywall Screws.

OUTER LAYER: 41mm x 6g screws as above.

**Fastener Centres**

200mm centres along each batten and at 100mm along sheet end butt joints. Place fasteners no closer than 12mm to the sheet edges.

**ACOUSTIC SEALANT**

A bead of GIB Soundseal® acoustic sealant is required around the ceiling perimeter of the inner layer. The outer lining is then bedded onto the bead.

**WALL/CEILING JUNCTIONS**

The internal angle between the ceiling and the walls are finished with GIB-Cove® adhered with GIB-Cove® Bond or boxed corners (square stopped) filled and taped in accordance with the publication entitled “GIB Site Guide”.

**JOINTING**

INNER LAYER: Unstopped

OUTER LAYER: All fastener heads stopped and all sheet joints tape reinforced and stopped in accordance with the publication entitled “GIB Site Guide”.

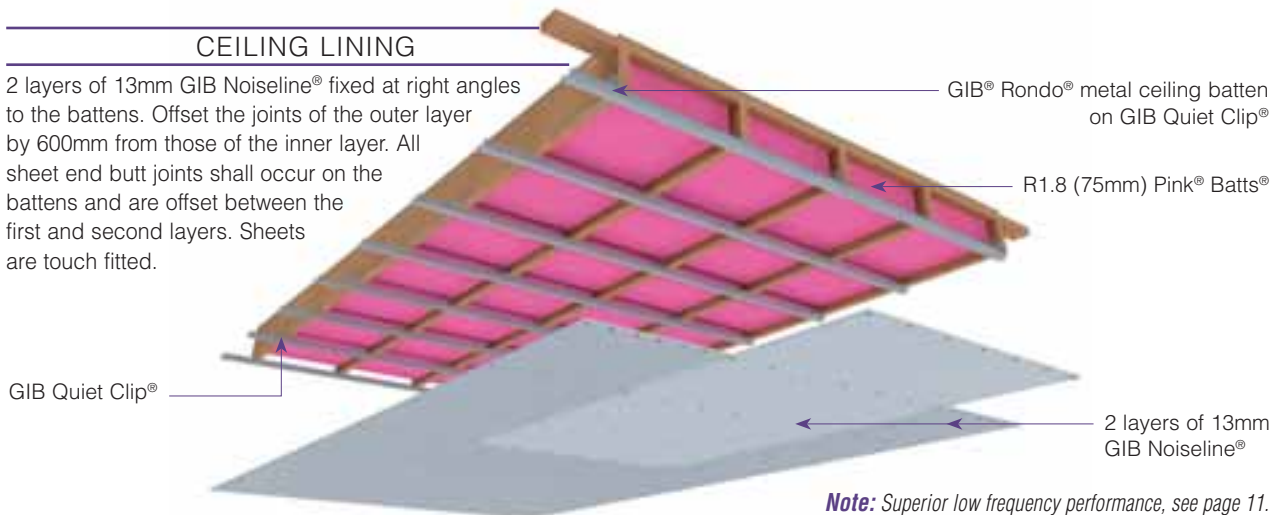
**\* IMPACT INSULATION CLASS (IIC)**

A performance of IIC 46 is achieved by a bare floor.

A performance of IIC 50 is achieved with a cushion backed vinyl on particle board on structural plywood.

A performance of IIC 72 is achieved with a 48oz hard twist wool hessian backed carpet over a rubber waffle underlay.

*Note: See page 61 for perimeter details.*



*Note: Superior low frequency performance, see page 11.*

In order for GIB® systems to perform as tested, all components must be installed exactly as prescribed. Substituting components produces an entirely different system and may seriously compromise performance. Follow system specifications.