

SPEC No.	LOADBEARING CAPACITY	STC	RW	IIC	FIRE RESISTANCE RATING	LINING REQUIREMENTS
GBDFA 30d	LB	51	51	* 68	#	1 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 150mm 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 of a minimum of 100 x 50mm 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®

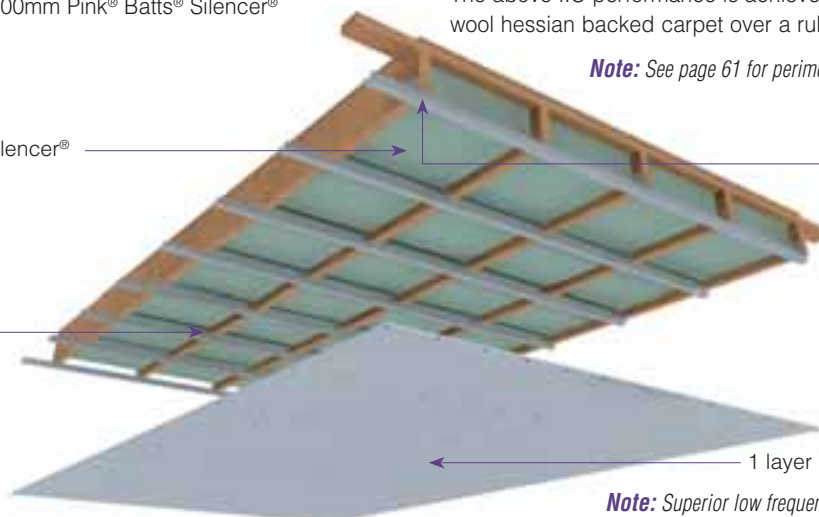
Use 3 x 32mm x 8g GIB® Grabber® Wafer Head Screws. Insert the first screw into the middle rubber grommet, tighten enough to hold the GIB Quiet Clip® in place, adjust the clip to the correct height, insert the remaining two screws and tighten. Do not over tighten the screws to a point where the grommet 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 100mm Pink® Batts® Silencer® glasswool insulation.

100mm Pink® Batts® Silencer®

GIB Quiet Clip®



GIB® Rondo® metal ceiling batten on GIB Quiet Clip®

1 layer of 13mm GIB Noiseline®

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.

CEILING LINING

1 layer of 13mm GIB Noiseline® fixed at right angles to the battens. All sheet end butt joints shall occur on the battens. Sheet joints are touch fitted. Where a fire resistance rating is required all joints must be back-blocked in accordance with the publication entitled "GIB® Site Guide".

***Note:** If a Fire Resistance Rating is required, refer GBSC 30 in the publication "GIB® Fire Rated Systems".

FASTENING THE LINING

Fasteners

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

Fasteners Centres

200mm centres along each batten and 100mm centres 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.

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

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)

The above IIC performance is achieved with a 48oz hard twist wool hessian backed carpet over a rubber waffle underlay.

Note: See page 61 for perimeter details .