

Suspended grid

Specification number	Performance	Specifications
GBSC 90	FRR 90/90/90	Lining 1 layer 13mm GIB Fyreline® and 16mm GIB Fyreline® LB/NLB Load bearing
	STC 53	
	Rw 52	
	IIC 43	

FLOOR FRAMING

Timber floor joists complying with NZS 3604 spaced at 600mm centres maximum.

Alternatively, a proprietary I-joist system may be used subject to specific structural design and approval by the normal building consent process.

FLOORING

Minimum flooring shall be nominal 20mm oriented strand board or particle board, or minimum 17mm thick structural plywood fixed to the joists in accordance with the manufacturers' specifications.

Flooring sheet joints must have a polypropylene tongue and groove jointer or be formed over framing.

SUSPENSION SYSTEM

Rondo Xpress® Drywall Grid Ceiling System comprising 2.5mm wire hangers or XD50 wall angles at 1200mm centres maximum. Hangers support XDH1 main tee at 1200mm centres maximum. Install XD21200 cross tees at 600mm centres.

The distance between the underside of the flooring and the top of the ceiling linings shall be a minimum of 450mm.

Note 1: Additional XD21200 cross tees are required 200mm both sides of sheet end butt joints.

Note 2: Suspension system must be installed in accordance with manufacturer's specification.

CEILING LINING

1 layer of 13mm GIB Fyreline® shall be fixed parallel to the main tees and positioned so tapered edges are located on the main tee. Sheet end butt joints must occur on cross tees.

1 layer of 16mm GIB Fyreline® shall be fixed parallel to main tees but offset by 600mm in both directions.

Sheet end butt joints must occur on cross tees.

Sheets shall be touch fitted.

FASTENING THE LINING

Fasteners

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

Outer layer: 41mm x 6g GIB® Grabber® Self Tapping Drywall Screws and 38mm x 10g GIB® Grabber® Laminator Screws.

Fastener centres

Place fasteners 12mm from longitudinal sheet edges and 18mm from sheet ends. This distance may be reduced to 12mm from sheet ends at butt joints on cross tees.

Inner layer: Place fasteners at 150mm centres around the sheet perimeter to main and cross tees. Place fasteners at 200mm centres along intermediate cross tees.

Outer layer: Place fasteners at 150mm centres along cross tees at sheet ends and at 200mm centres along intermediate framing members. Use GIB® Grabber® Laminator Screws at 150mm centres along longitudinal sheet edges where they do not coincide with framing.

WALL/CEILING JUNCTIONS

The internal angle between the ceiling and walls must be protected by 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".

