

GIB Timber Frame JANUARY 2006

SPECIFICATION NUMBER	LOADBEARING CAPACITY	FIRE RESISTANCE RATING	LINING REQUIREMENTS	STC	IIC	SYSTEM WEIGHT APPROX
GBFC 15	LB	15/15/15	1 layer 13mm GIB® Standard	38	31	40kg/m ²

FLOOR FRAMING

Floor Joists must comply with NZS 3604 and be a minimum of 150 x 50mm spaced at 600mm maximum. Solid strutting is required at 1800mm centres. Nogs fixed on the flat to receive the ends of flooring material shall be 100 x 50mm minimum. Nogs fixed on the flat to receive GIB® linings shall be 75 x 50mm minimum spaced at 600mm for joists at 600mm or at 1200mm for joists at 400 or 450mm. Nogs/framing is required at the perimeter of the fire rated ceiling.

ALTERNATIVE FLOOR FRAMING

Hyspan® or Hybeam® HJ series joists¹ may be used as an alternative. Joists must be covered by specific engineering design for strength and serviceability and spaced at no more than 600 mm centres. Requirements for nogs are the same as for NZS 3604 floor framing above. Consult the beam manufacturer re construction of the solid blocking contained in floor/ceiling to wall junctions.

FLOORING

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

Note: If tongue and groove sheet flooring is used, verification of performance must be obtained from the supplier of the flooring system.

CEILING LINING

1 layer 13mm GIB® Standard Plasterboard shall be fixed at right angles to the underside of the floor joists. All joints must occur on joists, solid strutting or nogs. Sheets shall be touch fitted.

FASTENING THE LINING

Fasteners

32mm x 6g GIB® Grabber® High Thread Drywall Screws.

Fastener Centres

150mm centres around the perimeter of each sheet. Single screws at 200mm centres along each joist and at the centre of each nog. Place fasteners 12mm from sheet edges.

WALL/CEILING JUNCTIONS

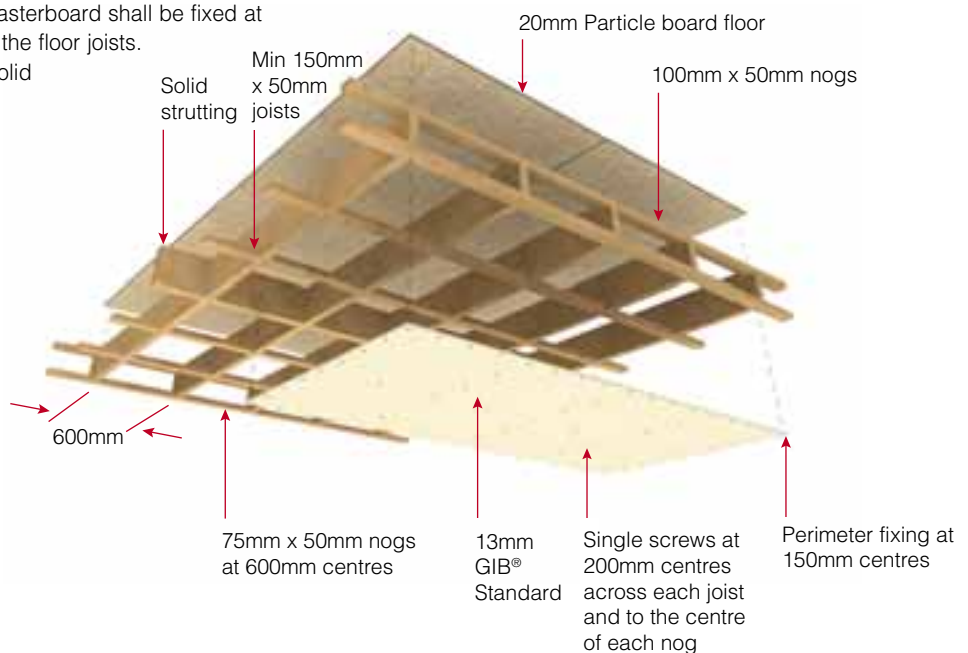
The internal angle between the ceiling and walls must be protected by GIB-Cove® adhered with GIB-Cove® Bond, or boxed corners (square stopped) filled and taped in accordance with the publication entitled "GIB® Site Guide".

JOINTING

All fastener heads stopped and all sheet joints tape reinforced and stopped in accordance with the publication entitled "GIB® Site Guide".

¹ Hyspan® or Hybeam® HJ series joists are manufactured and supplied by Carter Holt Harvey Futurebuild, 0800 808 131. The following alternatives are available. Please check with the supplier for construction details and independent verification.

- Posi Strut® joists – Mitek Group, (09) 274 7109
- Twinaplate® joists – Twinaplate® NZ, (09) 813 4007



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.