

GIB Timber or Steel Frame JANUARY 2006

SPECIFICATION NUMBER	LOADBEARING CAPACITY	FIRE RESISTANCE RATING	LINING REQUIREMENTS
GBFC 120	LB	120/120/120	2 layers 19mm GIB Fyreline®

FLOOR FRAMING

Timber or steel floor joists designed to meet structural criteria for strength and serviceability under dead and live loads. Joists at 500mm centres maximum. The separation distance between the ceiling lining and the flooring shall be 90mm minimum. Linings shall be supported by framing members with a minimum width of 35mm. Nogs fixed on the flat to receive the ends of the particle board shall be 100mm x 50mm minimum.

Note: In respect of the FRR for this particular system, nogs are required only at the perimeter of the fire rated ceiling. If timber framed construction applies, the nogs shall be 75 x 40mm minimum.

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

2 layers of 19mm GIB Fyreline® shall be fixed at right angles to the underside of the floor framing. The joints of the second layer are to be offset 600mm from those of the first layer. Sheets shall be touch fitted. All sheet end butt joints must occur over solid framing.

FASTENING THE LINING

Fasteners

LAYER	TIMBER FRAME	STEEL FRAME
Inner layer	41mm x 6g GIB® Grabber® High Thread Drywall Screws	41mm x 6g GIB® Grabber® Self Tapping Screws
Outer layer	63mm x 8g GIB® Grabber® Self Tapping Screws	51 x 7g screws as above

Fastener Centres (both layers)

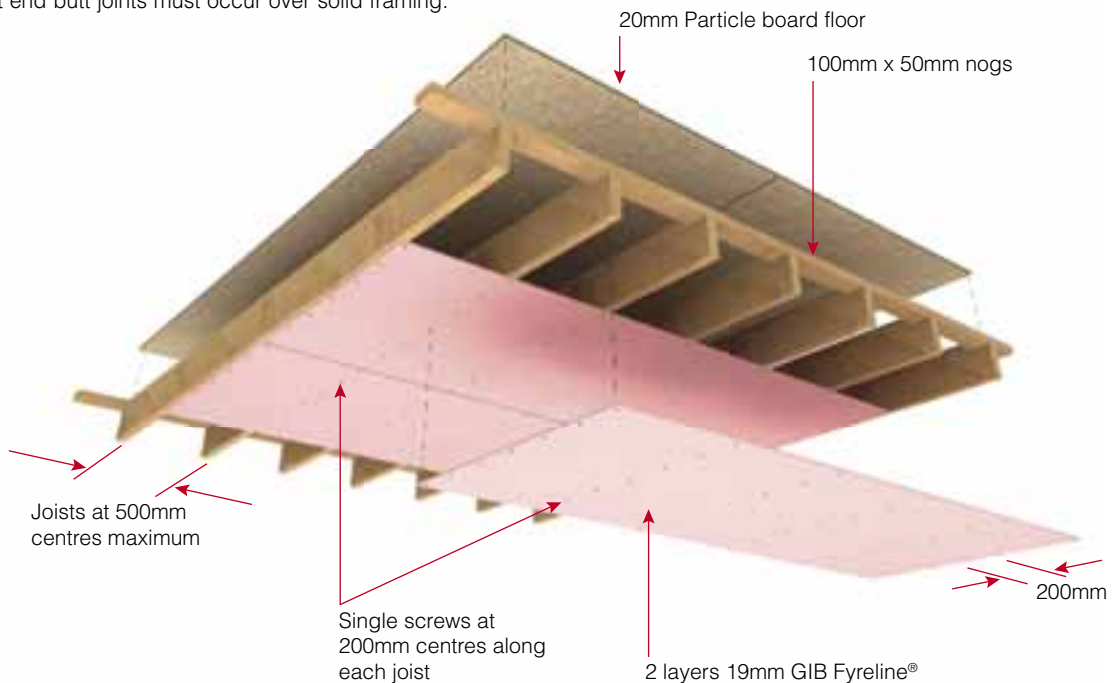
At 200mm centres around the ceiling perimeter, along each framing member, and at 200mm centres to framing members where sheet end butt joints occur. Place fasteners 12mm from sheet edges.

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

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".



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.