

GIB **Suspended Grid** JANUARY 2006

SPECIFICATION NUMBER	LOADBEARING CAPACITY	FIRE RESISTANCE RATING	LINING REQUIREMENTS	STC	IIC	SYSTEM WEIGHT APPROX
GBSC 60a	LB	60/60/60	2 layers 13mm GIB Fyrelite®	53	43	60kg/m ²

FLOOR FRAMING

Timber floor joists complying with NZS 3604 spaced at 600mm centres maximum. Alternatively, a proprietary I-joint system may be used subject to specific structural design and approval by the normal building consent process.

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.

SUSPENSION SYSTEM

USG Donn® ScrewFix™ steel frame suspension system comprising 2.5mm wire hangers at 1200mm centres supporting DJ38 strongback channels spaced at 1200mm centres and FC37 furring channels spaced at 600mm centres maximum. Rondo® Key-Lock™ steel frame suspension system comprising 2.5mm wire hangers at 1200mm centres supporting top cross rails (part 128) spaced at 1200mm centres and furring channels (part 129) spaced at 600mm centres maximum. An alternative suspension system with at least equivalent layout, material properties, strength and stiffness may be used.

CEILING LINING

2 layers of 13mm GIB Fyrelite® shall be fixed at right angles to the underside of the furring channels. The joints of the second layer are to be offset 600mm from those of the first layer. All sheet end butt joints must occur on the furring channels. Sheets shall be touch fitted.

FASTENING THE LINING

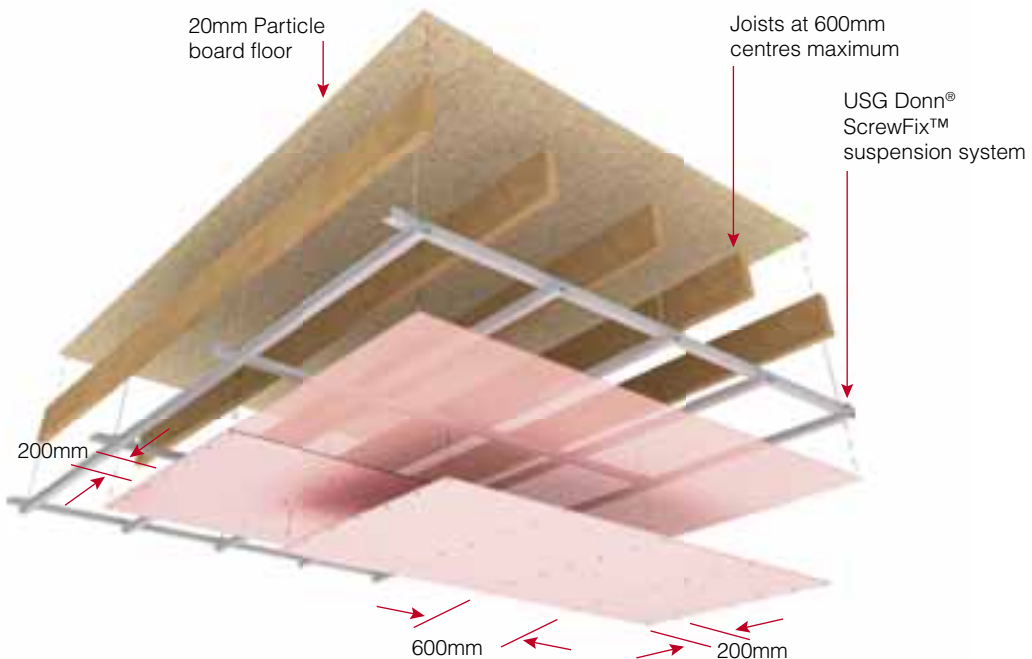
Fasteners
INNER LAYER: 25mm x 6g GIB® Grabber® Drywall Self Tapping Screws.
OUTER LAYER: 41mm x 6g screws as above.
Fastener Centres
200mm centres along intermediate furring channel, around the ceiling perimeter and where sheet end butt joints occur. Place fasteners 12mm from sheet edges.

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.