



Two Way FRR – Steel Frame

JANUARY 2006

SPECIFICATION NUMBER	LOADBEARING CAPACITY	FIRE RESISTANCE RATING	LINING REQUIREMENTS	SOUND TRANSMISSION CLASS	SYSTEM WEIGHT APPROX
GBSL 90	LB	90/90/90	1 x 16mm GIB Fyrelite® + 1 x 13mm GIB Fyrelite® each side	STC 45	42kg/m ²

FRAMING AND WALL HEIGHT

Any steel frame designed to meet structural criteria for strength and serviceability under dead and live loads. Stud width shall be 35mm minimum. Stud spacing at 600mm centres maximum. Frame height as determined by specific design.

LINING

1 layer of 16mm GIB Fyrelite® plus 1 layer of 13mm GIB Fyrelite® each side of the frame. Vertical fixing only permitted. Full height sheets shall be used where possible. Sheets shall be touch fitted. Offset joints on opposite sides of the frame and between sheets in double layered systems by 600mm. When sheet end butts joints are unavoidable, they shall be formed over nogs. All sheet joints must be formed over framing. Linings are fixed hard to floor.

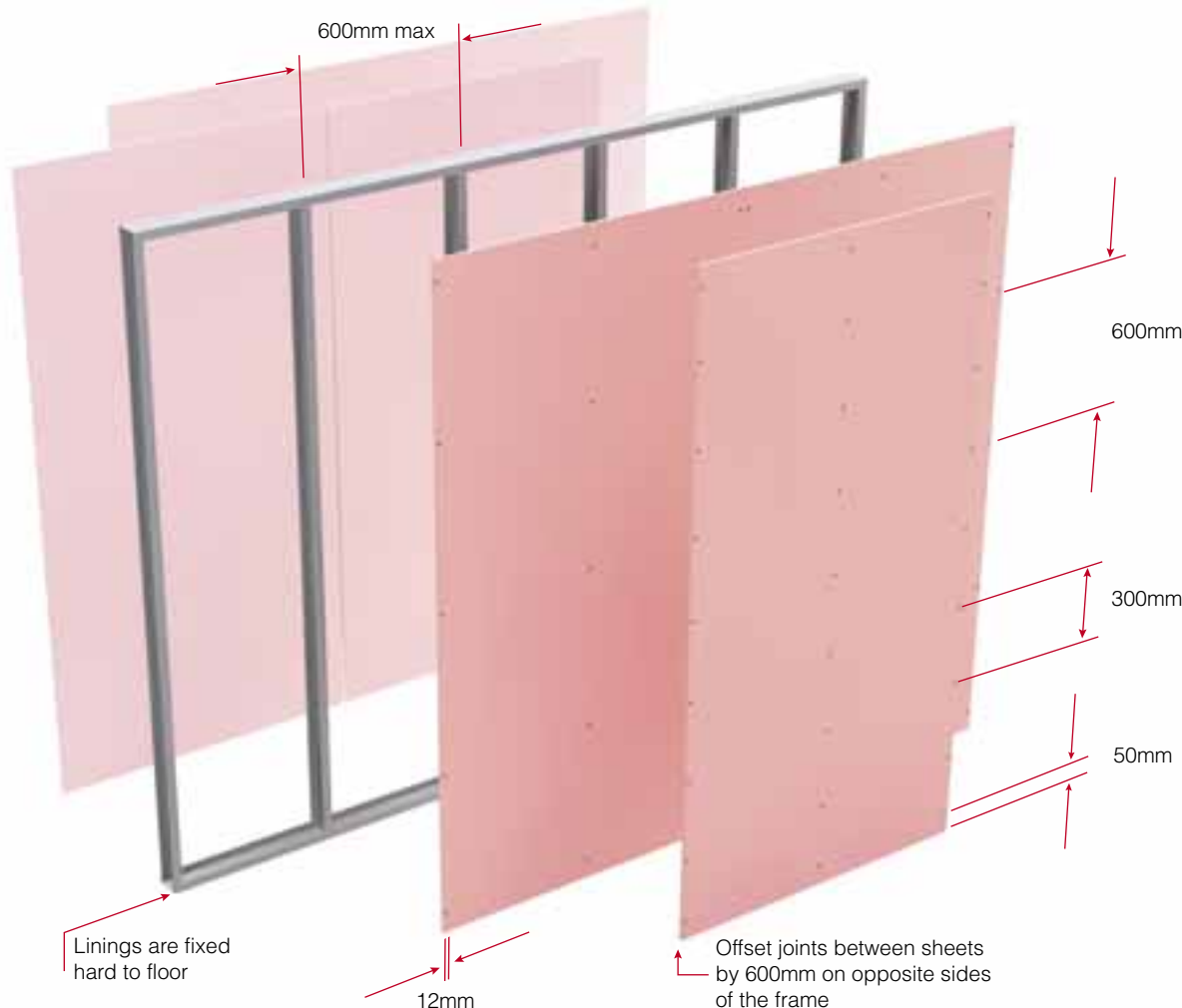
FASTENING THE LINING

Fasteners
INNER LAYER: 16mm GIB Fyrelite® – 32mm x 6g GIB® Grabber® Drywall Self Tapping Screws.
OUTER LAYER: 13mm GIB Fyrelite® – 41mm x 6g screws as above.
Fastener Centres
Place fasteners 12mm from sheet edges generally and 50mm from sheet ends.
INNER LAYER: 600mm centres up each stud.
OUTER LAYER: 300mm centres up each stud.

JOINTING

INNER LAYER: Unstopped.
OUTER LAYER: All screw heads stopped and all sheet joints tape reinforced and stopped in accordance with the publication entitled “GIB® Site Guide”.

Note: See also Section 1, “Loadbearing Steel Framed Walls”.



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.