

Two way FRR — steel frame

Specification number	Performance	Specifications
GBSL 90	FRR 90/90/90	Lining 1 layer 16mm GIB Fyreline® and 1 layer 13mm GIB Fyreline® each side
	STC 47	
	Rw 46	LB/NLB Load bearing

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 Fyreline® plus 1 layer of 13mm GIB Fyreline® each side of the frame.

Vertical or horizontal fixing permitted. For vertical fixing, full height sheets shall be used where possible. When fixing horizontally, all longitudinal sheet joints must be formed over nogs.

When sheet end butt joints are unavoidable, they shall be formed over nogs and staggered.

Offset joints on opposite sides of the frame and between sheets in double-layered systems.

Sheets shall be touch fitted.

All sheet joints must be formed over framing.

Linings are installed hard to floor.

FASTENING THE LINING

Fasteners

Inner layer: 16mm GIB Fyreline® – 32mm x 6g GIB® Grabber® Self Tapping Drywall Screws.

Outer layer: 13mm GIB Fyreline® – 41mm x 6g GIB® Grabber® Self Tapping Drywall Screws.

Fastener centres

Inner layer: 600mm centres up each stud.

Outer layer: 300mm centres up each stud.

Place fasteners 12mm from longitudinal sheet edges and 50mm from sheet ends.

Place fasteners at 200mm centres along sheet end butt joints.

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 page 14, “Steel-framed Walls — Load bearing (LB) walls”.

