

Two way FRR — double steel frame wall

Specification number	Performance	Specifications
GBSA 60c	STC 59 Rw 58 FRR –/60/60	Lining 1 x 13mm GIB Fyreline® one side 2 x 10mm GIB Braceline®/GIB Noiseline® other side LB/NLB Non load bearing Partition 186mm wide

FRAMING

Stud size	Space between frames
64 x 34 x 0.50mm	25mm min

Steel stud dimensions 64 x 34 x 0.50mm BMT with 6mm return placed in 64 x 30 x 0.50mm BMT steel channel. Channel is fixed to floor and ceiling. Studs are friction fitted at 600mm centres maximum with a 15mm expansion gap at the top of the frame. No fixings to the top channel.

WALL HEIGHTS

Recommended maximum wall height is 2700mm. For greater wall heights refer to the steel stud centres and wall heights section on pages 14–15 of this publication.

SOUND CONTROL INFILL

Pink® Batts® BIB R1.8 (75mm) glass wool insulation installed between the studs on one side of the double frame.

WALL LINING

1 layer of 13mm GIB Fyreline® fixed vertically one side of the frame and 2 layers of 10mm GIB Braceline®/GIB Noiseline® on the other.

Inner layer joints on opposite sides of the frame are offset. Vertical joints of the outer layer are offset 600mm from those of the inner layer. The inner layers must be fitted hard to floor. Use full height sheets where possible. Sheet joints are touch fitted and must occur over framing. Where sheet end joints are unavoidable they must be over nogs and outer layer joints offset from those on the inner layer.

ACOUSTIC SEALANT

A bead of GIB Soundseal® acoustic sealant is required around the perimeter of the inner lining. The outer lining is then bedded onto the bead.

FASTENING THE LINING

Fasteners

Inner and single layer: 25mm x 6g GIB® Grabber® Self Tapping Drywall Screws.

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

Fastener centres

Inner and outer layer: 300mm centres up each stud.

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

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. Wall to ceiling junctions are to be reinforced with paper tape and square stopped or finished with GIB-Cove®.

