



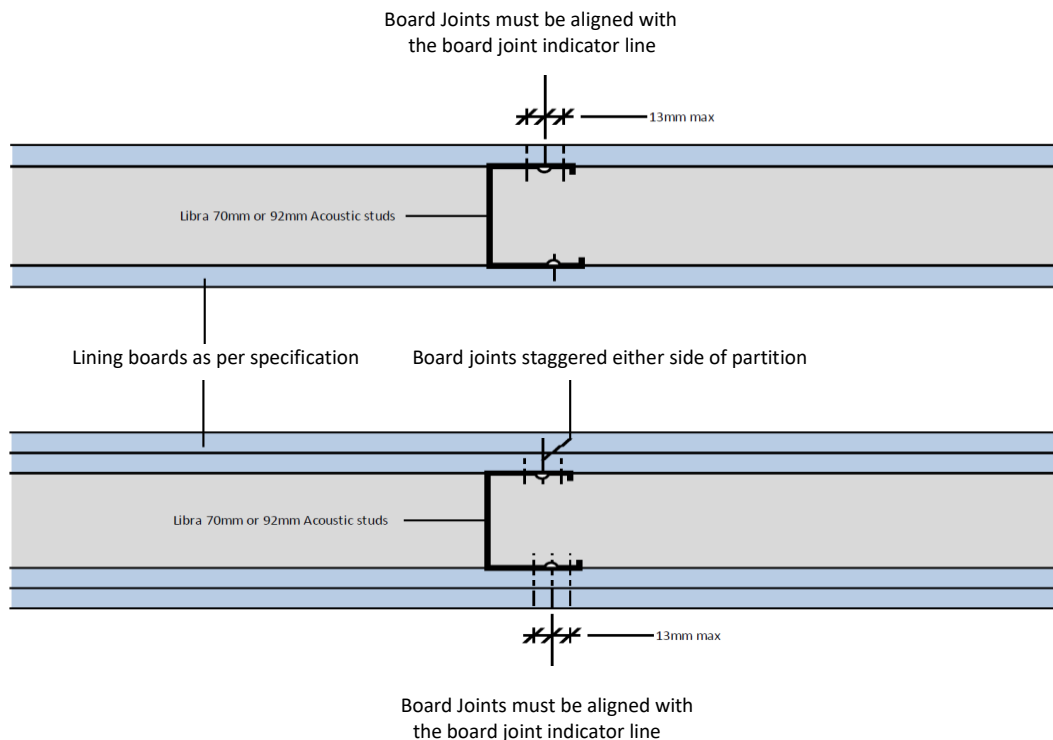
## Acoustic Stud Partitions

Libra Acoustic Stud is designed to give a cost-effective way to improve acoustic performance in both domestic and commercial installations. Partitions are constructed in exactly the same way as a standard C Stud partitions.

1. Install a single row of Libra Standard Tracks to the floor and soffit. Fix with suitable fasteners at maximum 600mm centres. Where deflection heads are required, install Libra Deep Tracks to the soffit with plasterboard strips and an intumescent mastic seal. Please note; minimum stud engagement to be 20mm.
2. Install Libra Acoustic Studs at abutments. Fix to the structure with suitable fasteners at maximum 600mm centres.
3. Seal the entire perimeter of the frame on both sides with beads of acoustic / intumescent mastic.
4. Form door openings.
5. Friction fit Libra Acoustic Studs at maximum 600mm centres (reduce to 400mm in tiled areas). Do not screw or crimp studs to deflection head channels.
6. Form service openings and frame out as required.
7. Install cavity insulation where required, fixed at the head as per manufacturers recommendations.
8. Install plasterboard linings as per specification with suitable drywall screws at maximum 300mm centres. Ensure all boards are aligned with the board joint indicator line. Boards to be fixed to their entire perimeter.

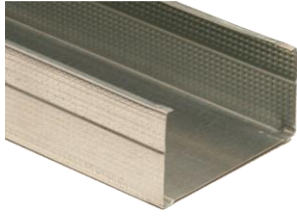
### Notes:

Stagger all board joints by minimum 300mm. For Acoustic Absorbing liners follow the manufacturers recommendations for pattern alignment. Where ceilings are fire-rated, ensure all service penetrations and any openings are suitably sealed to prevent hot gasses from entering the ceiling cavity. All areas of the plasterboard linings to be minimum fire taped to maintain fire and acoustic performances. Where access panels are required, ensure they are capable of maintaining the ceilings fire and acoustic performances.



Note: As the boards are offset, fix to the longest section of the leg first, or the section closest to the web of the Stud. This will prevent the leg from flexing when attaching the board to the other side.

# Acoustic Stud



Product Code	Product Description	Stock Lengths mm	Weight per Length Kgs
FSA70/24	70mm Acoustic Stud x 0.5mm	2400	1.64
FSA70/27	Flange dimensions 50/48mm	2700	1.84
FSA70/30		3000	2.05
FSA70/36		3600	2.46
FSA70/42		4200	2.86
FSA92/27	92mm Acoustic Stud x 0.5mm	2700	2.08
FSA92/30	Flange dimensions 50/48mm	3000	2.31
FSA92/36		3600	2.77
FSA92/42		4200	3.23

Board Type	Partition Grade BS5234	Max Height mm	Nominal Width mm	Fire Resistance	Sound Insulation RwdB		
					No Infill	25mm APR	50mm APR
<b>FSA70 - Knauf Boards</b>							
1 X 15mm	Knauf Soundshield Plus	HD	3800	102	60	39 (-1;-7) dB	
1 X 15mm	Knauf Soundshield Plus	HD	3800	102	60		45 (-3;-9) dB
1 X 15mm	Knauf Soundshield Plus	HD	3800	102	60		46 (-3;-8) dB
2 X 15mm	Knauf Soundshield Plus	SD	4900	132	120	49 (-2;-7) dB	
2 X 15mm	Knauf Soundshield Plus	SD	4900	132	120		55 (-2;-7) dB
2 X 15mm	Knauf Soundshield Plus	SD	4900	132	120		57 (-3;-8) dB
<b>FSA70 - Gyproc Boards</b>							
1 X 15mm	Gyproc SoundBloc	HD	3800	102	30	42 (-3;-8) dB	
1 X 15mm	Gyproc SoundBloc	HD	3800	102	30		47 (-3;-8) dB
2 X 15mm	Gyproc SoundBloc	SD	4900	132	90	52 (-2;-7) dB	
2 X 15mm	Gyproc SoundBloc	SD	4900	132	90		56 (-3;-7) dB
<b>FSA92 - Knauf Boards</b>							
1 X 15mm	Knauf Soundshield Plus	HD	4700	124	60	41 (-1;-6) dB	
1 X 15mm	Knauf Soundshield Plus	HD	4700	124	60		47 (-2;-8) dB
1 X 15mm	Knauf Soundshield Plus	HD	4700	124	60		48 (-3;-8) dB
2 X 15mm	Knauf Soundshield Plus	SD	5900	154	120	51 (-2;-6) dB	
2 X 15mm	Knauf Soundshield Plus	SD	5900	154	120		58 (-2;-6) dB