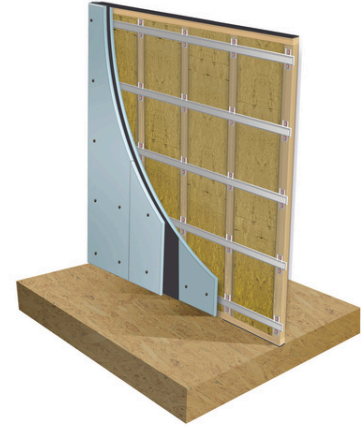
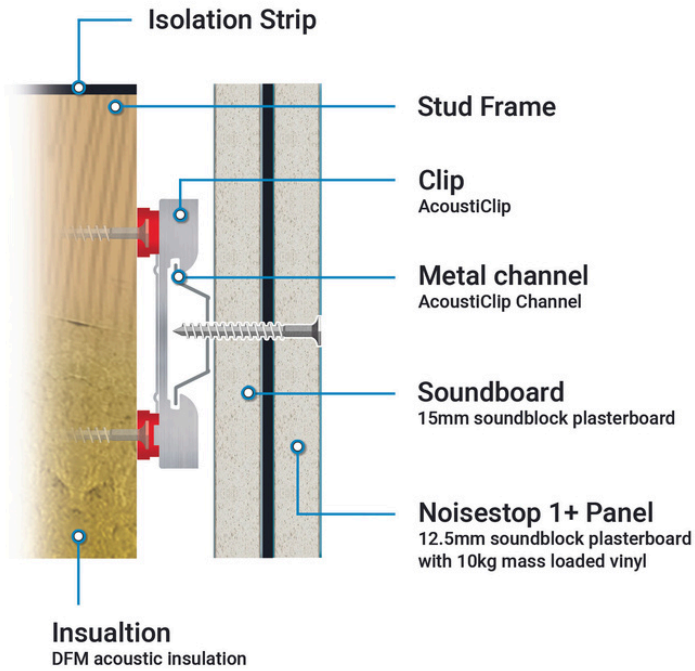


Sound Insulation Test

AcoustiClip Stud Wall System



Mass air resonant frequency = 44Hz
Panel size = 2.7m x 4.0m
Partition surface area mass = 53kg/m²

System Description

- The system applied to a stud wall with 12.5mm acoustic plasterboard on one side
- 50mm/60kg Acoustic insulation between the studs
- AcoustiClip and AcoustiChannel onto the stud frame
- 15mm Acoustic plasterboard
- 18mm Noisestop 1 Plus Panel (incorporated 12.5 acoustic p/b and 10kg mass-loaded vinyl)
- Acoustic sealant to the edges and perimeter of the boards

Sound Insulation

Untreated stud 100mm wall	DnT,w 36dB
AcoustiClip Stud Wall System applied to one side of the stud wall	DnT,w 61dB
Improvement when the solution is applied	DnT,w 25dB

freq.(Hz)	R(dB)	R(dB)
50	16	
63	23	20
80	30	
100	37	
125	42	40
160	47	
200	51	
250	55	54
315	59	
400	62	
500	65	64
630	67	
800	69	
1000	70	70
1250	72	
1600	72	
2000	70	70
2500	69	
3150	70	
4000	72	72
5000	76	

