

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

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

R_w 61 dB
C -1 dB
Ctr -2 dB

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	

