

Sound Insulation Test

AcoustiClip Solid Wall Stud System



Mass air resonant frequency = 24Hz

Panel size = 2.7m x 4.0m

Partition surface area mass = 250kg/m²

System Description

- System applied to a single skin brick wall
- 50mm timber stud
- 50mm/60kg acoustic insulation slabs
- AcoustiClip and AcoustiChannel onto stud frame
- 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

Noise Reduction

RW 69dB

freq.(Hz)	R(dB)	R(dB)
50	46	
63	52	49
80	57	
100	61	
125	64	63
160	65	
200	57	
250	53	54
315	55	
400	58	
500	60	60
630	63	
800	65	
1000	68	67
1250	70	
1600	72	
2000	74	73
2500	74	
3150	75	
4000	97	80
5000	100	

