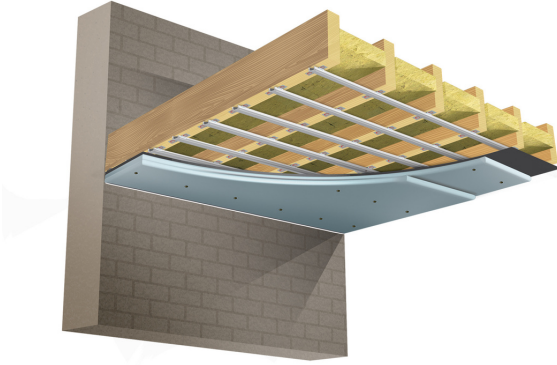


Sound Insulation Test

AcoustiClip Direct to Joist



Mass air resonant frequency = 31Hz

Panel size = 2.7m x 4.0m

Partition surface area mass = 57.8kg/m²

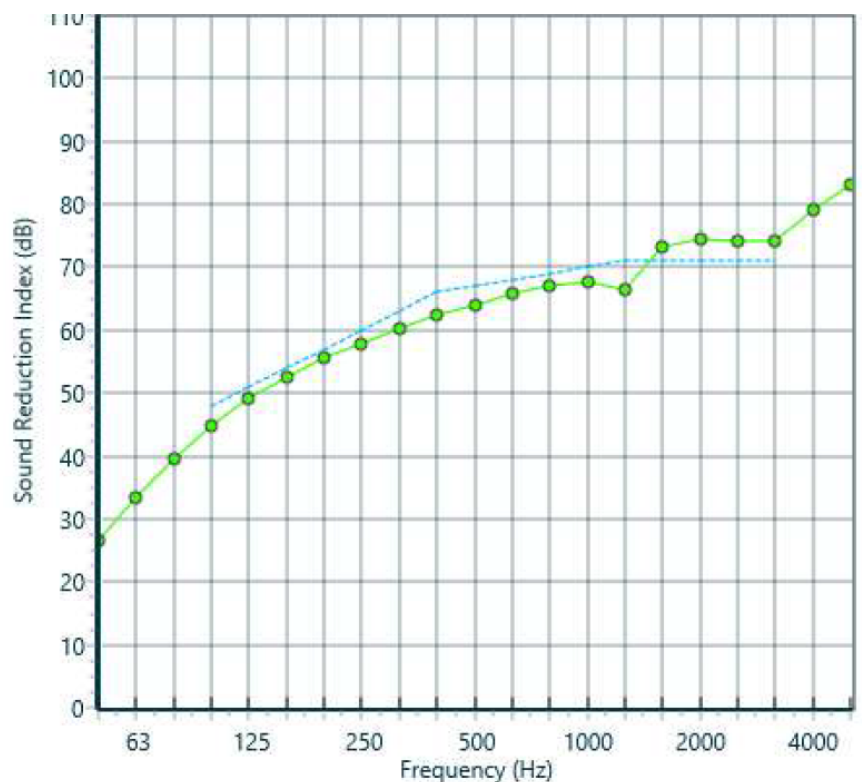
System Description

- AcoustiClip Direct to Joist System (comprises)
- 22mm chipboard flooring
- timber joists at 400mm centres 50mm x 200mm
- 100mm/60kg acoustic insulation
- AcoustiClip and Acoustichannel
- Noisestop 1+ Panel (comprises 10kg mass loaded vinyl and 12.5mm acoustic plasterboard)
- 15mm acoustic plasterboard
- Acoustic sealant to the edges and perimeter of the boards

Airborne noise

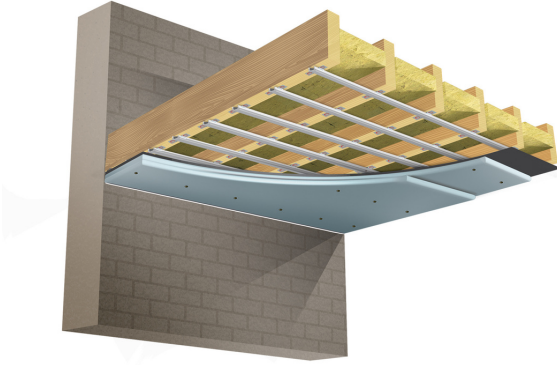
R_w 67 dB
C -2 dB
C_{tr} -6 dB

freq.(Hz)	R(dB)	R(dB)
50	26	
63	34	30
80	40	
100	45	
125	49	48
160	53	
200	56	
250	58	57
315	60	
400	62	
500	64	64
630	66	
800	67	
1000	68	67
1250	66	
1600	73	
2000	74	74
2500	74	
3150	74	
4000	79	77
5000	83	



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Impact noise

Ln,w 55 dB

freq.(Hz)	Ln(dB)	Ln(dB)
50	61	
63	59	64
80	58	
100	56	
125	57	62
160	58	
200	53	
250	53	58
315	54	
400	58	
500	57	62
630	56	
800	56	
1000	54	60
1250	56	
1600	50	
2000	45	52
2500	41	
3150	39	
4000	29	39
5000	20	

