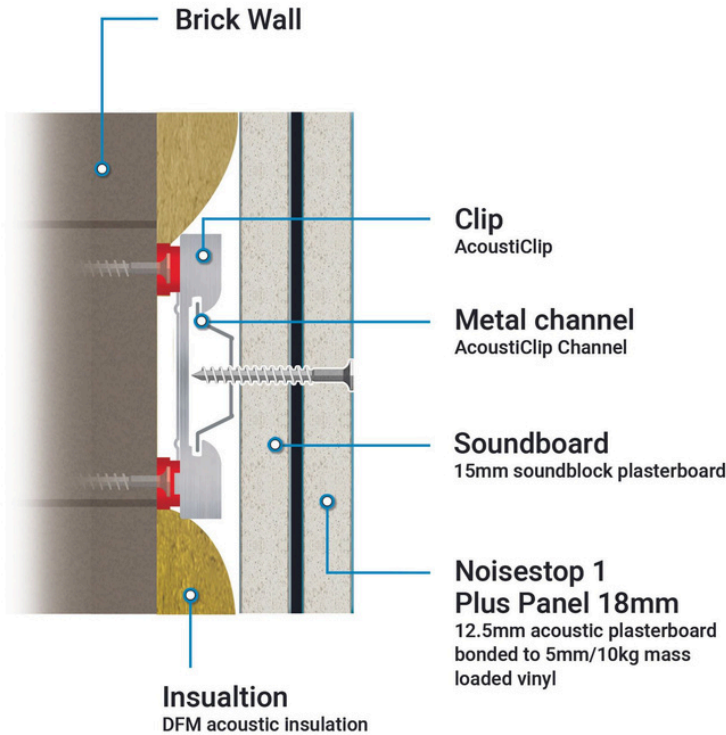


# Sound Insulation Test

## AcustiClip Direct to Wall System



Mass air resonant frequency = 42Hz  
 Panel size = 2.7m x 4.0m  
 Partition surface area mass = 152kg/m<sup>2</sup>

### System Description

- The system is applied to a 100mm single-skin brick wall
- AcustiClip and AcustiChannel
- 25mm/60kg Acoustic insulation
- 15mm Acoustic plasterboard
- 18mm Noisestop 1Plus Panel (incorporated 12.5 acoustic p/b and 10kg mass-loaded vinyl)
- Acoustic sealant to the edges and perimeter of the boards

### Sound Insulation

<b>Untreated 100mm single skin brick wall</b>	<b>DnT,w 38dB</b>
<b>AcustiClip Direct System applied</b>	<b>DnT,w 63dB</b>
<b>Improvement when solution is applied</b>	<b>DnT,w 25dB</b>

freq.(Hz)	R(dB)	R(dB)
50	24	
63	33	29
80	41	
100	47	
125	52	50
160	57	
200	60	
250	63	62
315	63	
400	54	
500	53	54
630	56	
800	58	
1000	61	60
1250	63	
1600	65	
2000	67	67
2500	68	
3150	69	
4000	87	73
5000	91	

