

Soundproofing Solutions to Meet New Part E Building Regulations

TYPE 3.1

Separating Timber Floors / Timber Joist Floor / 60 R_wdB + C_{tr} - 46 L_{nw}dB
Application

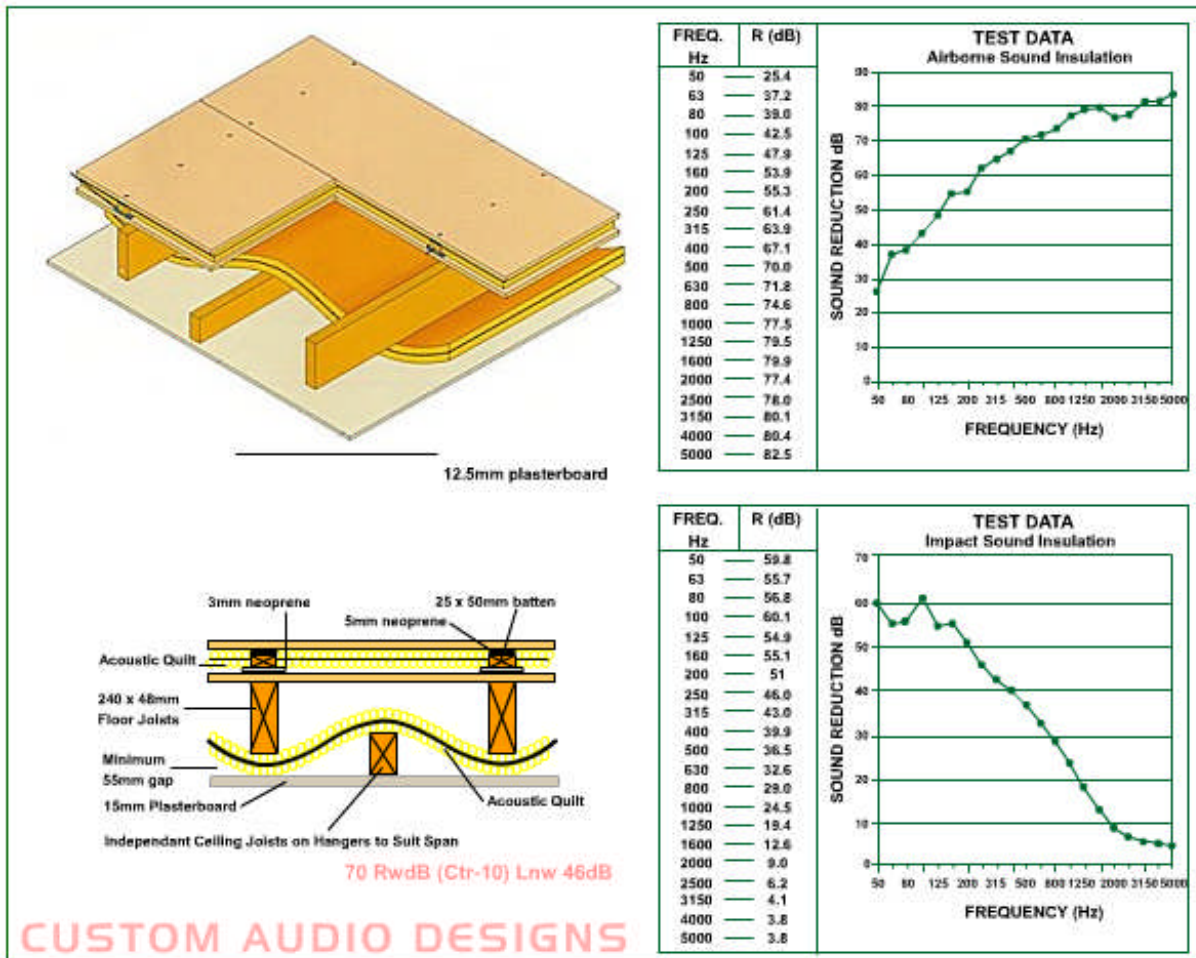
Sound Reduction Performance		
Airborne		Impact
R _w dB	R _w dB+C _{tr}	L _{nw} dB
70	60	46
Acoustic Requirement: New Build		
Airborne: 45 D _{nTw} +C _{tr} dB		
Impact: 62 L _{nTw} dB		
Acoustic Requirement: Refurbishment		
Airborne: 43 D _{nTw} +C _{tr} dB		
Impact: 64 L _{nTw} dB		

Components and Fixing Data:

- 1 x 18mm T&G Chipboard (laid on)
- Resilient Tape (on)
- 25 x 50mm Timber Battens (at 400mm centres on)
- 3.5mm Neoprene Pads (on)
- 52mm Acoustic Quilt (between battens)
- 18mm Chipboard (screwed to)
- Timber Joists (240 x 48mm at 400mm centres. Joist size to suit application)
- 52mm Acoustic Quilt (beneath joists)

Independant Ceiling:

- Timber Joists (100 x 48mm on hangers at 400mm centres)
- 1 x 15mm Plasterboard (screwed to independant joists)



Technical Data:

- Mass per Unit Area: 76.2Kg/m²
Footprint Width: 377mm
Fire Protection: 30 minutes (2 layers plasterboard = 60 minutes)

All information contained in these details is given in good faith but without warranty.
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