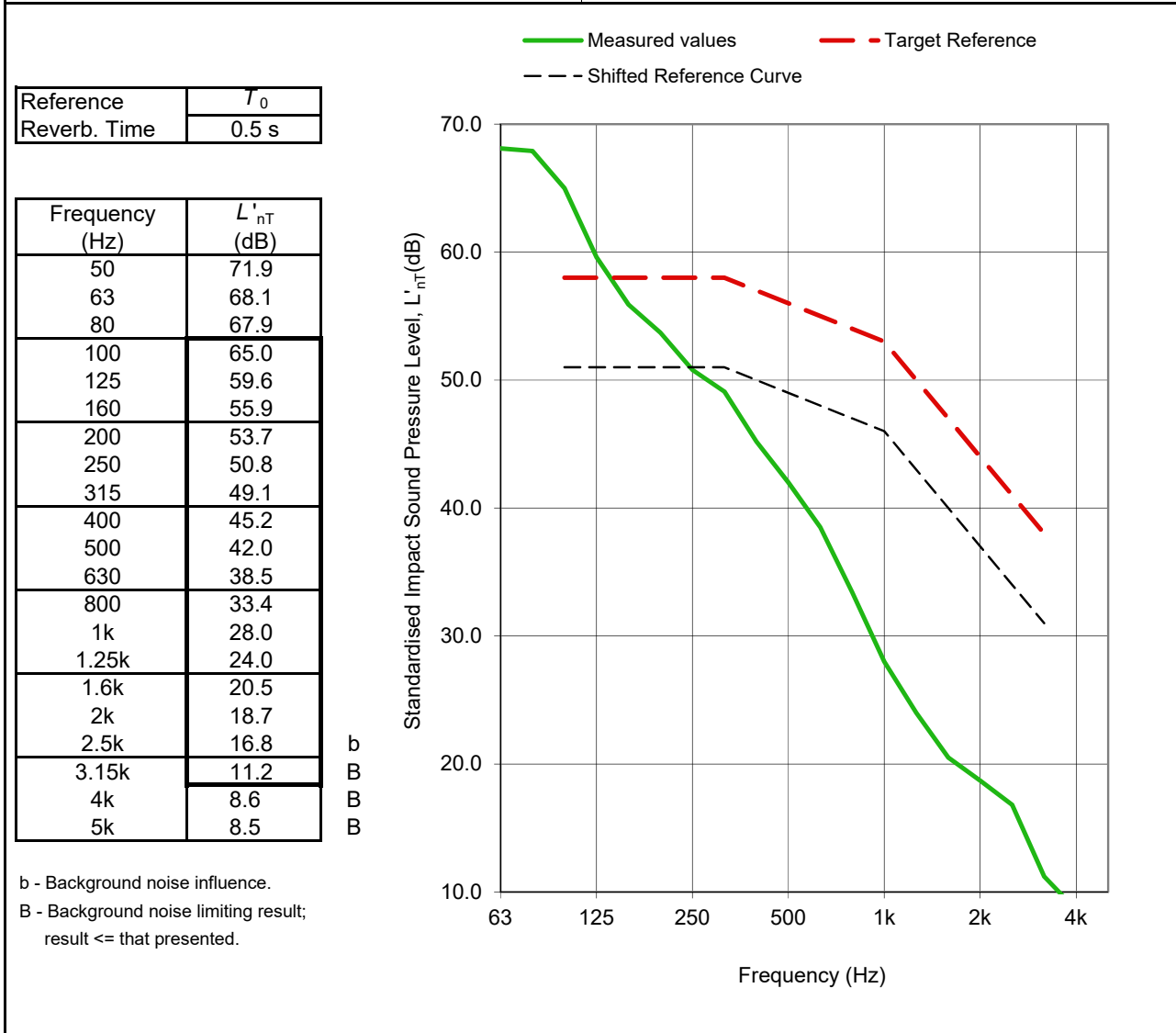


**Figure 3: Standardised impact sound pressure level according to BS EN ISO 140-7:1998**

**Field measurements of Impact sound insulation between rooms**

Client: Fraser / Livingstone Architects Ltd	Source room: Plot 6 bedroom 2, 2nd floor
Site: Simon Court	Source room volume: ~ 36 m <sup>3</sup>
Edinburgh	Receiving room: Plot 3 living/kitchen/dining, 1st floor
Test Date: 14/04/22	Receiving room volume: ~ 52 m <sup>3</sup>
Test Partition: Floor	Area of test element: ~ 16 m <sup>2</sup>
Construction: 22 mm chipboard flooring, underfloor heating system on timber straps fixed to DECKfon Batten 70 resilient batten system, incorporating 25 mm Rockwool RWA45 (45 kg/m <sup>3</sup> ) between the battens, 150 mm CLT Panel (5 layers C24 R60, 520 kg/m <sup>3</sup> ), metal frame ceiling suspended with AMC Akustik 1 + Sylomer30 Type B M6 Acoustic ceiling hangers, providing a 107 mm cavity incorporating 50 mm Rockwool RWA45 (45 kg/m <sup>3</sup> ) and finished with two layers of 12.5 mm Gyproc Soundbloc.	Notes:  ANC certificate No: 1197449003



<b><math>L'_{nTW} (C_i)</math> 49 (3) dB</b>	Rating Calculated According to BS EN ISO 717:2013 Evaluation based on one-third octave band field measurement results.	<b>RMP</b> acoustics energy vibration 0345 062 0000 rmp@napier.ac.uk www.rmp.biz
Report: R-8719A-CL-RRM	Test Institute: Robin Mackenzie Partnership	
Date: 10/05/22	Signature:	