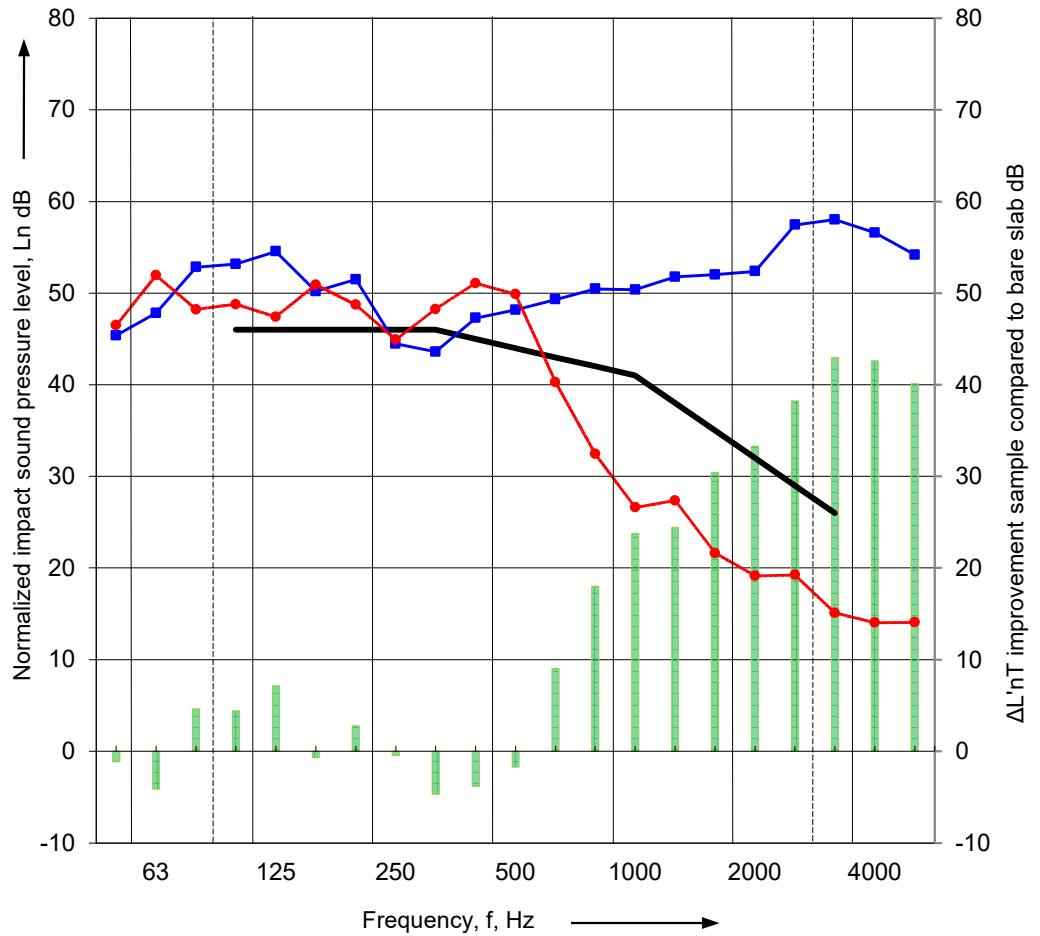


Standardized Impact Sound Pressure Levels according to ISO 140-7 Comparison of field measurements of Impact Sound Insulation of Floors

- 1: Sample plus substrate ■ Clever Choice Oak 20mm thick, 2mm Clever Choice IXPE Green underlay, 200mm concrete slab, 120mm cavity with no insulation, 13mm plasterboard ceiling
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- 2: Substrate ● 200mm concrete slab, 120mm cavity with no insulation, 13mm plasterboard ceiling
-
- 3: $\Delta L'nT$ ■ $\Delta L'nT$ improvement due to Clever Choice Oak 20mm, 2mm Clever Choice IXPE Green underlay

L'nT,w 44 curve ----- Frequency range according to the curve of reference values (ISO 717-2)
—————

Frequency f Hz	L'nT dB 1/3 octave		
	1	2	3
50	46	45	-1.1
63	52	48	-4.1
80	48	53	4.6
100	49	53	4.4
125	47	55	7.1
160	51	50	-0.7
200	49	52	2.8
250	45	44	-0.4
315	48	44	-4.7
400	51	47	-3.8
500	50	48	-1.7
630	40	49	9.0
800	32	50	18.0
1000	27	50	23.8
1250	27	52	24.4
1600	22	52	30.4
2000	19	52	33.2
2500	19	57	38.2
3150	15	58	42.9
4000	14	57	42.6
5000	14	54	40.1



L'nT,w	44	61	n/a
Ci	-1	-13	n/a
Ci(50-2500)	1	-12	n/a
$\Delta L'nT,w$	n/a	n/a	17
AAAC Star	5	2	n/a
FIIC	59	35	n/a

Rating according to ISO 717-2

1: Sample plus substrate $L'nT,w$ (Ci ; Ci50-2500) = 44 (-1 ; 1) dB;
 2: Substrate only $L'nT,w$ (Ci ; Ci50-2500) = 61 (-13 ; -12) dB;

Testing Company: Acoustic Works

Project number: 2023038

Location of test: Level 25 (of 39) residential building Broadbeach

Date of test: 14 February 2023

Client: Clever Choice Paxwood Pty Ltd

Sample area: 1m²

Room dimensions: 9.7m(L) x 6.4m(W) x 2.6m(H)