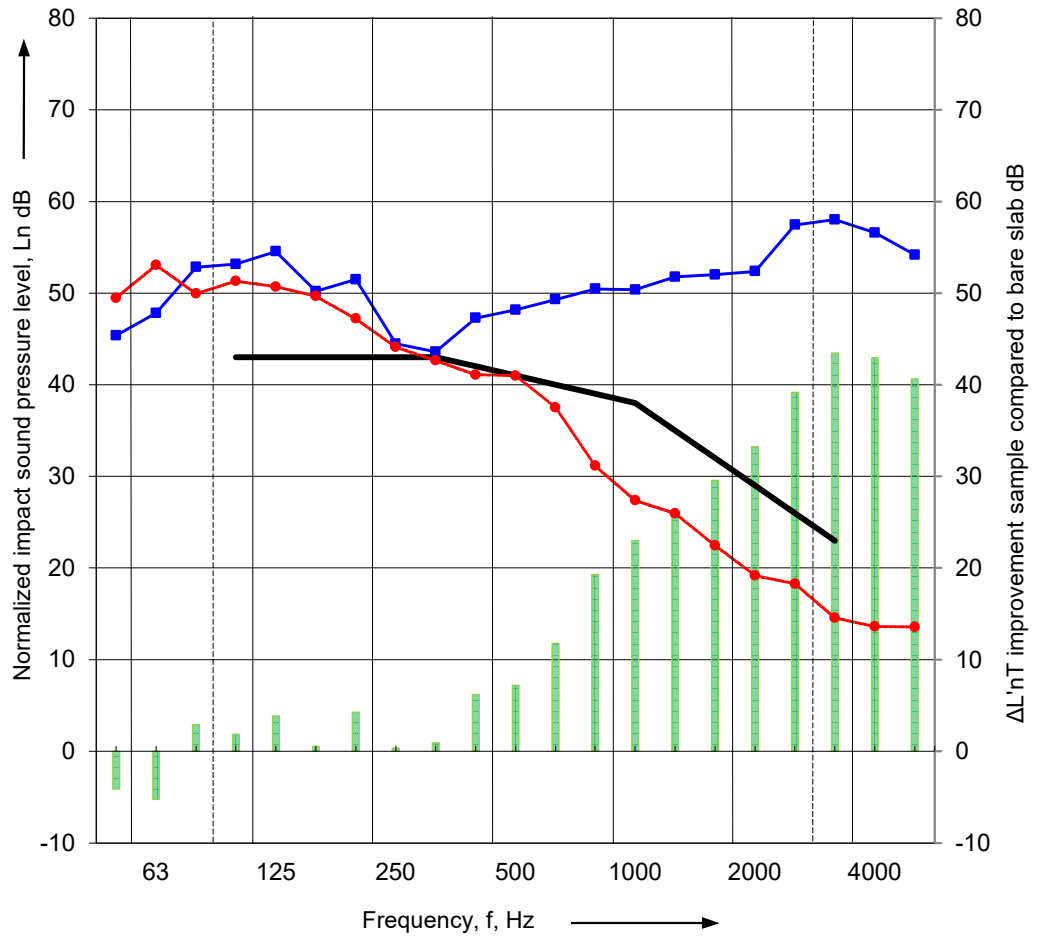


Standardized Impact Sound Pressure Levels according to ISO 140-7 Comparison of field measurements of Impact Sound Insulation of Floors

- 1: Sample plus substrate ■ Clever Choice Oak 12mm thick, 3mm Clever Choice Clever Sound 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 12mm, 3mm Clever Choice Clever Sound underlay

$L'nT,w$ 41 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	49	45	-4.1
63	53	48	-5.2
80	50	53	2.9
100	51	53	1.9
125	51	55	3.9
160	50	50	0.5
200	47	52	4.3
250	44	44	0.4
315	43	44	0.9
400	41	47	6.2
500	41	48	7.2
630	38	49	11.8
800	31	50	19.3
1000	27	50	23.0
1250	26	52	25.8
1600	22	52	29.6
2000	19	52	33.2
2500	18	57	39.2
3150	15	58	43.5
4000	14	57	43.0
5000	14	54	40.6



$L'nT,w$	41	61	n/a
Ci	1	-13	n/a
Ci(50-2500)	3	-12	n/a
$\Delta L'nT,w$	n/a	n/a	20
AAAC Star	5	2	n/a
FIIC	62	35	n/a

Rating according to ISO 717-2

1: Sample plus substrate $L'nT,w$ (Ci ; Ci50-2500) = 41 (1 ; 3) 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)