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 14mm thick, 3mm Clever Choice Clever Sound underlay, 200mm concrete slab ,120mm cavity with no insulation, 13mm plasterboard ceiling

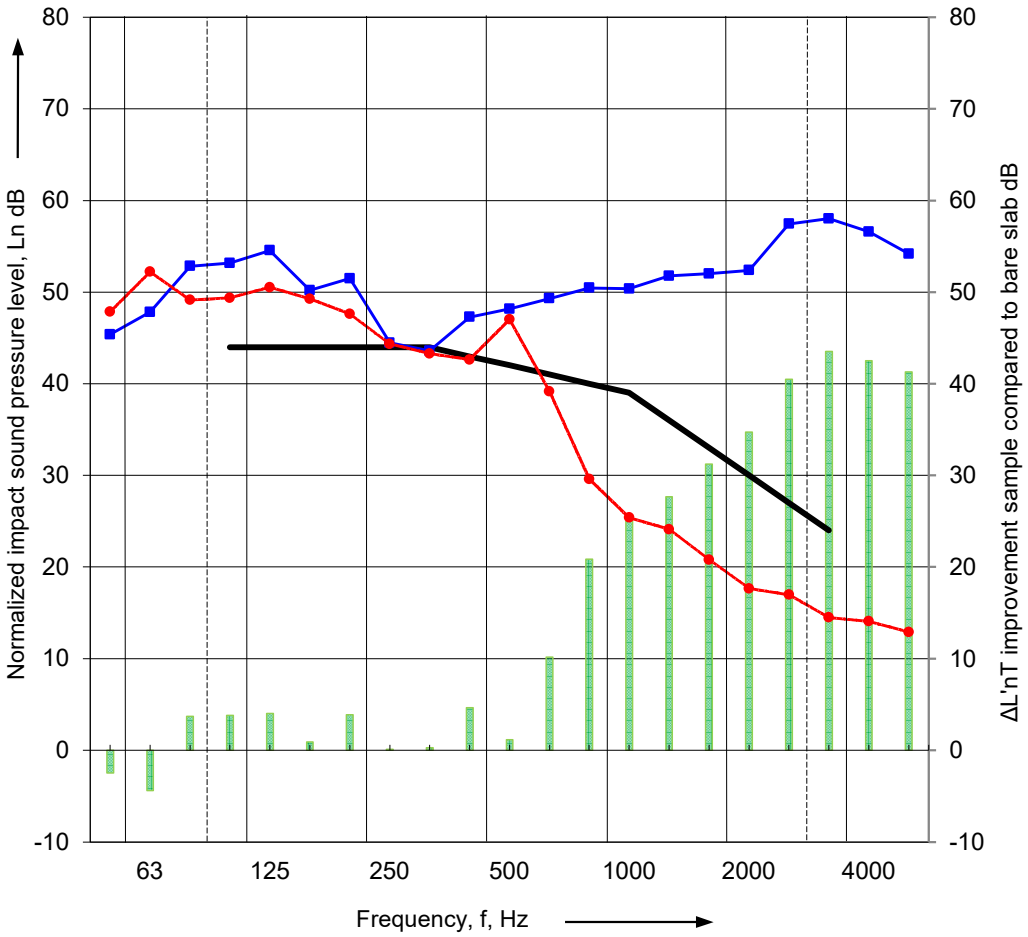
2: Substrate — 200mm concrete slab, 120mm cavity with no insulation, 13mm plasterboard ceiling

3: ΔL'nT — ΔL'nT improvement due to Clever Choice Oak 14mm, 3mm Clever Choice Clever Sound underlay

L'nT,w 42 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	48	45	-2.5
63	52	48	-4.4
80	49	53	3.7
100	49	53	3.8
125	51	55	4.0
160	49	50	0.9
200	48	52	3.9
250	44	44	0.1
315	43	44	0.3
400	43	47	4.7
500	47	48	1.2
630	39	49	10.2
800	30	50	20.9
1000	25	50	25.0
1250	24	52	27.6
1600	21	52	31.2
2000	18	52	34.7
2500	17	57	40.5
3150	15	58	43.5
4000	14	57	42.5
5000	13	54	41.3
L'nT,w	42	61	n/a
Ci	0	-13	n/a
Ci(50-2500)	2	-12	n/a
ΔL'nT,w	n/a	n/a	19
AAAC Star	5	2	n/a
FIIC	61	35	n/a



Rating according to ISO 717-2

1: Sample plus substrate	L'nT,w (Ci ; Ci50-2500) =	42 (0 ; 2)	dB;
2: Substrate only	L'nT,w (Ci ; Ci50-2500) =	61 (-13 ; -12)	dB;

Testing Company:	Acoustic Works		
Project number:	2023038	Client:	Clever Choice Paxwood Pty Ltd
Location of test:	Level 25 (of 39) residential building Broadbeach	Sample area:	1m2
Date of test:	14 February 2023	Room dimensions:	9.7m(L) x 6.4m(W) x 2.6m(H)