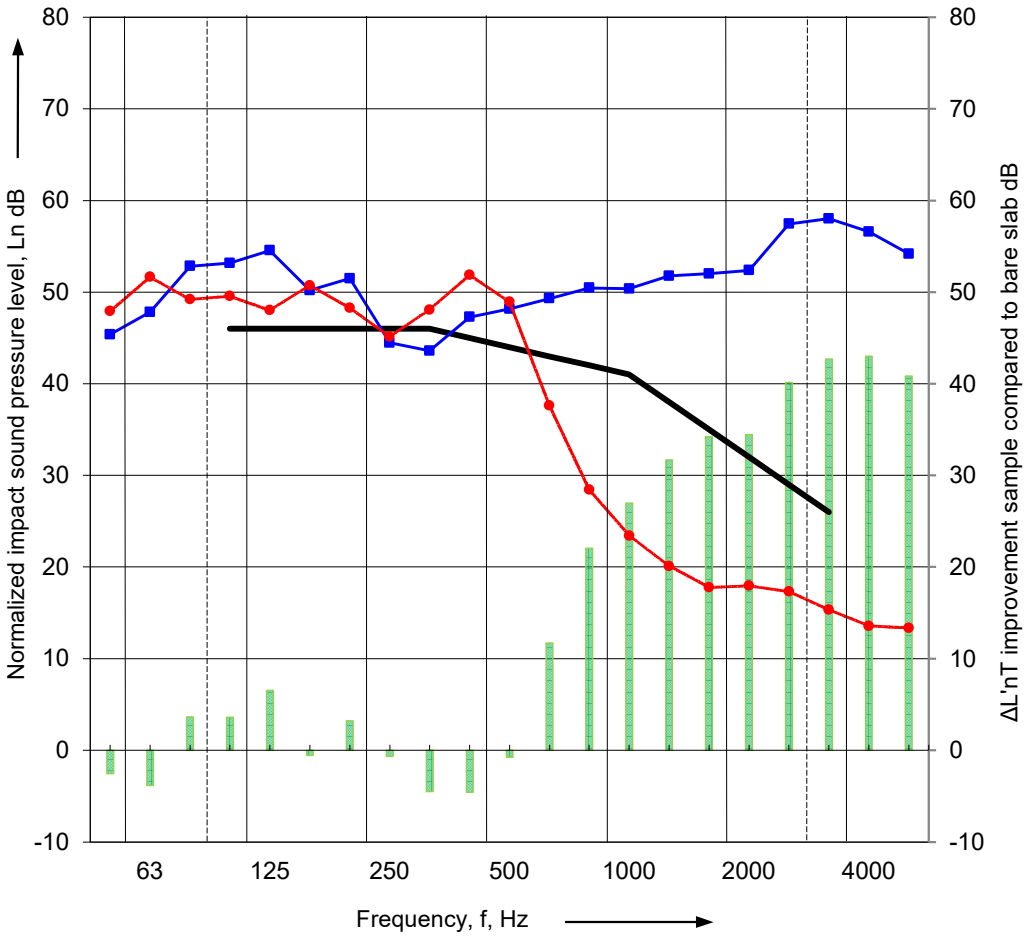
Standardized Impact Sound Pressure Levels according to ISO 140-7
Comparison of field measurements of Impact Sound Insulation of Floors

1: Sample plus substrate	Clever Choice Bamboo 14mm thick, 2mm Clever Choice IXPE Green 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 Bamboo 14mm, 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	48	45	-2.5
63	52	48	-3.8
80	49	53	3.6
100	50	53	3.6
125	48	55	6.5
160	51	50	-0.5
200	48	52	3.2
250	45	44	-0.7
315	48	44	-4.5
400	52	47	-4.6
500	49	48	-0.8
630	38	49	11.7
800	28	50	22.0
1000	23	50	27.0
1250	20	52	31.7
1600	18	52	34.2
2000	18	52	34.4
2500	17	57	40.1
3150	15	58	42.7
4000	14	57	43.0
5000	13	54	40.8
L'nT,w	44	61	n/a
Ci	-1	-13	n/a
Ci(50-2500)	1	-12	n/a
ΔL'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	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)