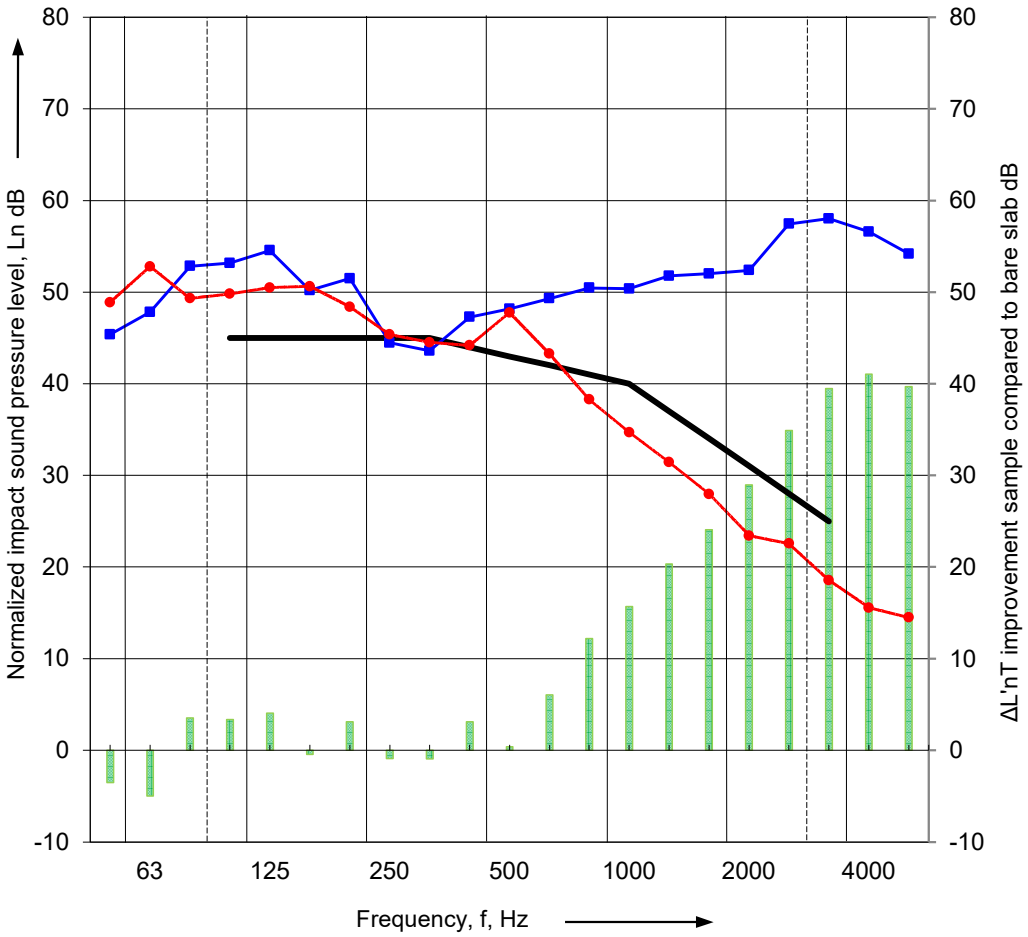
Standardized Impact Sound Pressure Levels according to ISO 140-7
Comparison of field measurements of Impact Sound Insulation of Floors

1: Sample plus substrate	Clever Choice Engineered Exotic Australian Timber 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 Engineered Exotic Australian Timber 14mm, 3mm Clever Choice Clever Sound underlay

L'nT,w 43 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	-3.5
63	53	48	-5.0
80	49	53	3.5
100	50	53	3.4
125	50	55	4.1
160	51	50	-0.4
200	48	52	3.1
250	45	44	-0.9
315	45	44	-0.9
400	44	47	3.1
500	48	48	0.4
630	43	49	6.0
800	38	50	12.2
1000	35	50	15.7
1250	31	52	20.3
1600	28	52	24.1
2000	23	52	29.0
2500	23	57	34.9
3150	19	58	39.5
4000	16	57	41.0
5000	14	54	39.7
L'nT,w	43	61	n/a
Ci	0	-13	n/a
Ci(50-2500)	2	-12	n/a
ΔL'nT,w	n/a	n/a	18
AAAC Star	5	2	n/a
FIIC	60	35	n/a



Rating according to ISO 717-2

1: Sample plus substrate	L'nT,w (Ci ; Ci50-2500) =	43 (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)