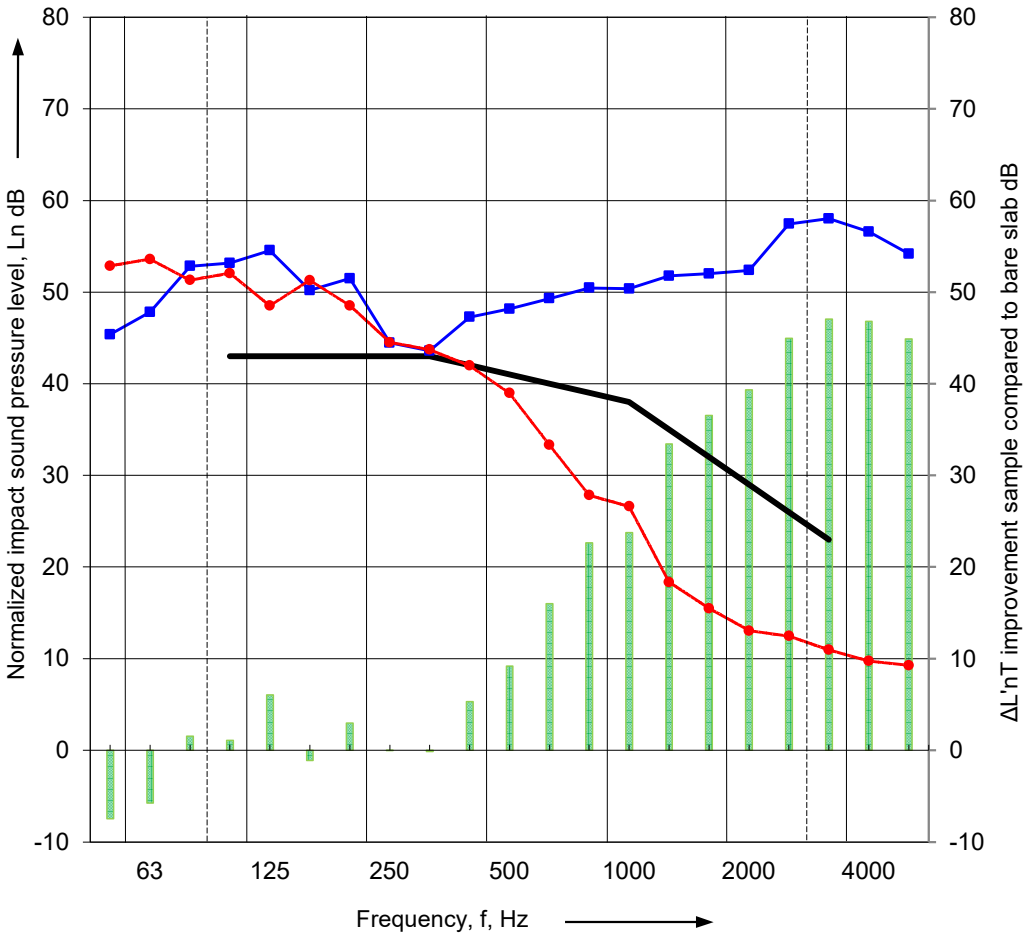
Standardized Impact Sound Pressure Levels according to ISO 140-7
Comparison of field measurements of Impact Sound Insulation of Floors

1: Sample plus substrate	Clever Choice Oak 12mm thick, 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 Oak 12mm, 2mm Clever Choice IXPE Green 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	53	45	-7.5
63	54	48	-5.8
80	51	53	1.5
100	52	53	1.1
125	49	55	6.0
160	51	50	-1.1
200	49	52	3.0
250	45	44	0.0
315	44	44	-0.1
400	42	47	5.3
500	39	48	9.2
630	33	49	16.0
800	28	50	22.6
1000	27	50	23.8
1250	18	52	33.4
1600	15	52	36.5
2000	13	52	39.3
2500	12	57	45.0
3150	11	58	47.1
4000	9.8	57	46.8
5000	9.3	54	44.9
L'nT,w	41	61	n/a
Ci	1	-13	n/a
Ci(50-2500)	4	-12	n/a
ΔL'nT,w	n/a	n/a	20
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) =	41 (1 ; 4)	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)