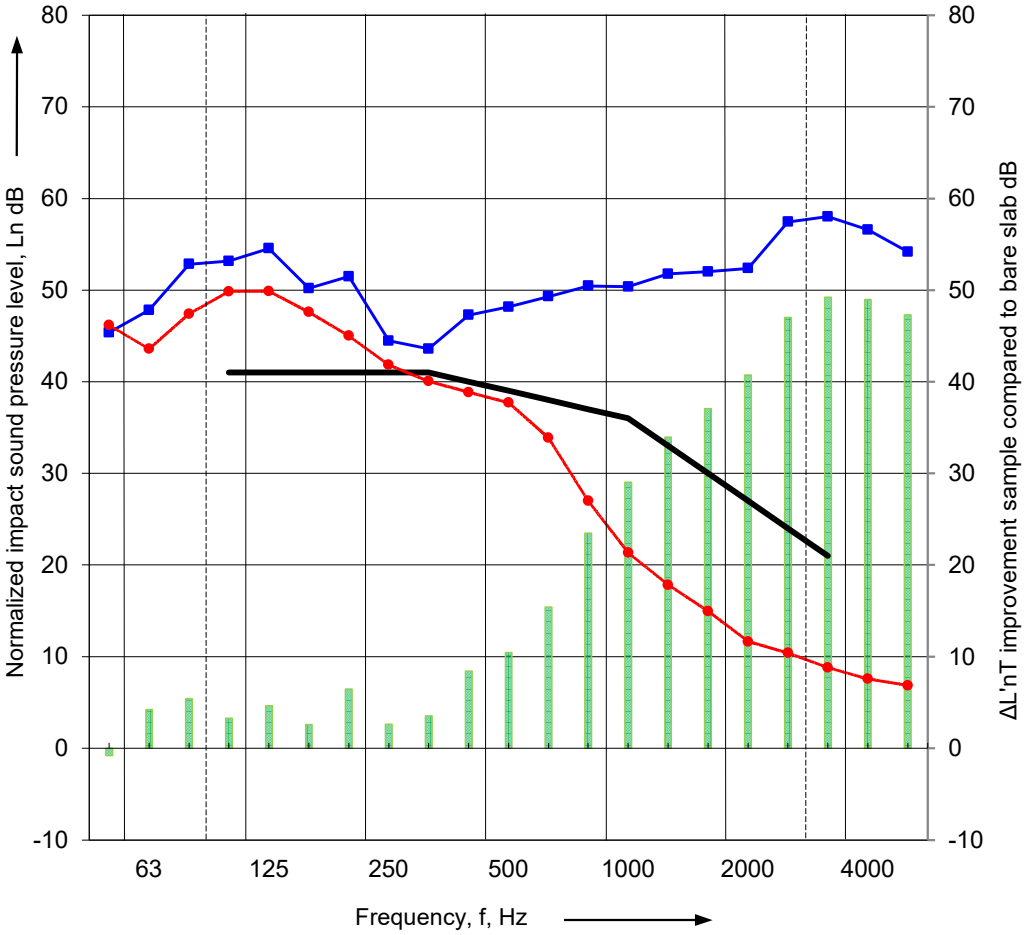
Standardized Impact Sound Pressure Levels according to ISO 140-7
Comparison of field measurements of Impact Sound Insulation of Floors

1: Sample plus substrate	Clever Choice Classic Laminate 8mm thick, 3mm Clever Choice cork 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 Classic Laminate 8mm, 3mm Clever Choice cork underlay

L'nT,w 39 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	46	45	-0.8
63	44	48	4.2
80	47	53	5.4
100	50	53	3.3
125	50	55	4.7
160	48	50	2.6
200	45	52	6.5
250	42	44	2.6
315	40	44	3.5
400	39	47	8.4
500	38	48	10.5
630	34	49	15.4
800	27	50	23.5
1000	21	50	29.0
1250	18	52	33.9
1600	15	52	37.1
2000	12	52	40.7
2500	10	57	47.0
3150	8.8	58	49.2
4000	7.6	57	49.0
5000	6.9	54	47.3
L'nT,w	39	61	n/a
Ci	1	-13	n/a
Ci(50-2500)	2	-12	n/a
ΔL'nT,w	n/a	n/a	22
AAAC Star	6	2	n/a
FIIC	63	35	n/a



Rating according to ISO 717-2

1: Sample plus substrate	L'nT,w (Ci ; Ci50-2500) =	39 (1 ; 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)