

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

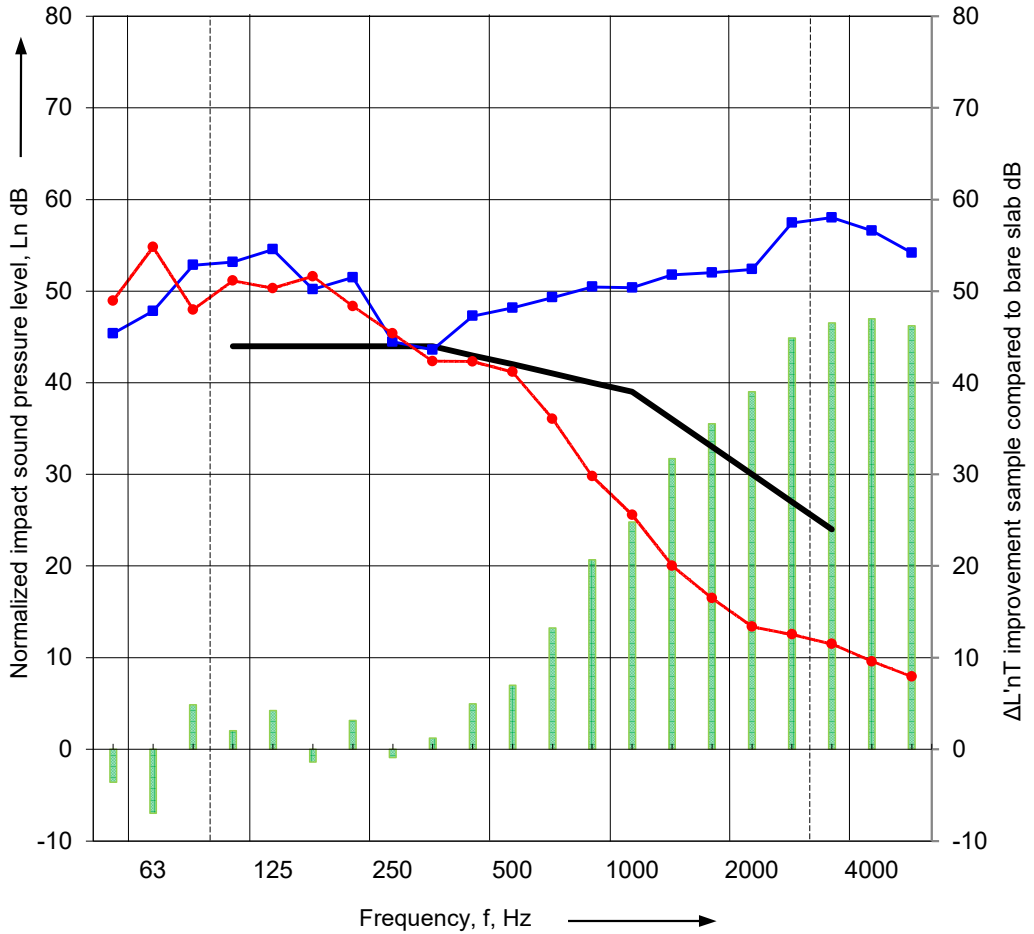
1: Sample plus substrate Clever Choice Hybrid Shield 10mm thick, 5mm Clever Choice cork underlay, 200mm concrete slab, 120mm cavity with no insulation, 13mm plasterboard ceiling

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

3: $\Delta L'nT$ $\Delta L'nT$ improvement due to Clever Choice Hybrid Shield 10mm, 5mm Clever Choice cork 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	49	45	-3.6
63	55	48	-7.0
80	48	53	4.9
100	51	53	2.0
125	50	55	4.2
160	52	50	-1.4
200	48	52	3.1
250	45	44	-0.9
315	42	44	1.2
400	42	47	5.0
500	41	48	7.0
630	36	49	13.3
800	30	50	20.7
1000	26	50	24.8
1250	20	52	31.7
1600	16	52	35.5
2000	13	52	39.0
2500	13	57	44.9
3150	12	58	46.5
4000	9.6	57	47.0
5000	7.9	54	46.2



$L'nT, w$	42	61	n/a
Ci	0	-13	n/a
Ci(50-2500)	3	-12	n/a
$\Delta L'nT, w$	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 ; 3) dB;
 2: Substrate only $L'nT, w$ (Ci ; Ci50-2500) = 61 (-13 ; -12) dB;

Testing Company:	Acoustic Works	Client:	Clever Choice Paxwood Pty Ltd
Project number:	2023038	Sample area:	1m ²
Location of test:	Level 25 (of 39) residential building Broadbeach	Room dimensions:	9.7m(L) x 6.4m(W) x 2.6m(H)
Date of test:	14 February 2023		