

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

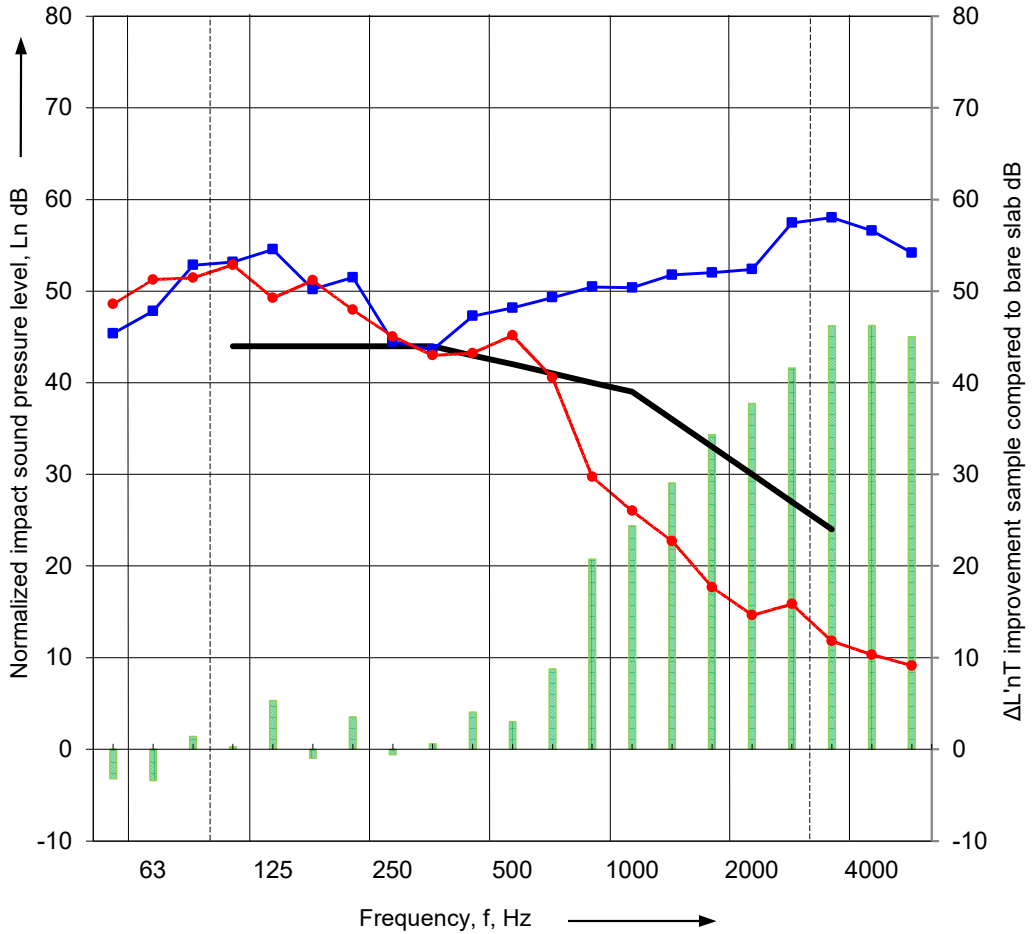
1: Sample plus substrate Clever Choice Classic Laminate 12mm thick, 2mm Clever Choice IXPE Green underlay, 200mm concrete slab, 120mm cavity with no insulation, 13mm plasterboard ceiling

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

3: $\Delta L'nT$ $\Delta L'nT$ improvement due to Clever Choice Classic Laminate 12mm, 2mm Clever Choice IXPE Green 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	-3.2
63	51	48	-3.4
80	51	53	1.4
100	53	53	0.3
125	49	55	5.3
160	51	50	-1.0
200	48	52	3.5
250	45	44	-0.6
315	43	44	0.6
400	43	47	4.1
500	45	48	3.0
630	41	49	8.8
800	30	50	20.7
1000	26	50	24.4
1250	23	52	29.1
1600	18	52	34.3
2000	15	52	37.7
2500	16	57	41.6
3150	12	58	46.2
4000	10	57	46.3
5000	9.1	54	45.0



$L'nT, w$	42	61	n/a
C_i	1	-13	n/a
$C_i(50-2500)$	3	-12	n/a
$\Delta L'nT, w$	n/a	n/a	19
AAAC Star	5	2	n/a
FIIC	60	35	n/a

Rating according to ISO 717-2
 1: Sample plus substrate $L'nT, w (C_i ; C_i50-2500) = 42 (1 ; 3)$ dB;
 2: Substrate only $L'nT, w (C_i ; C_i50-2500) = 61 (-13 ; -12)$ 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		