

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

Test number: 15

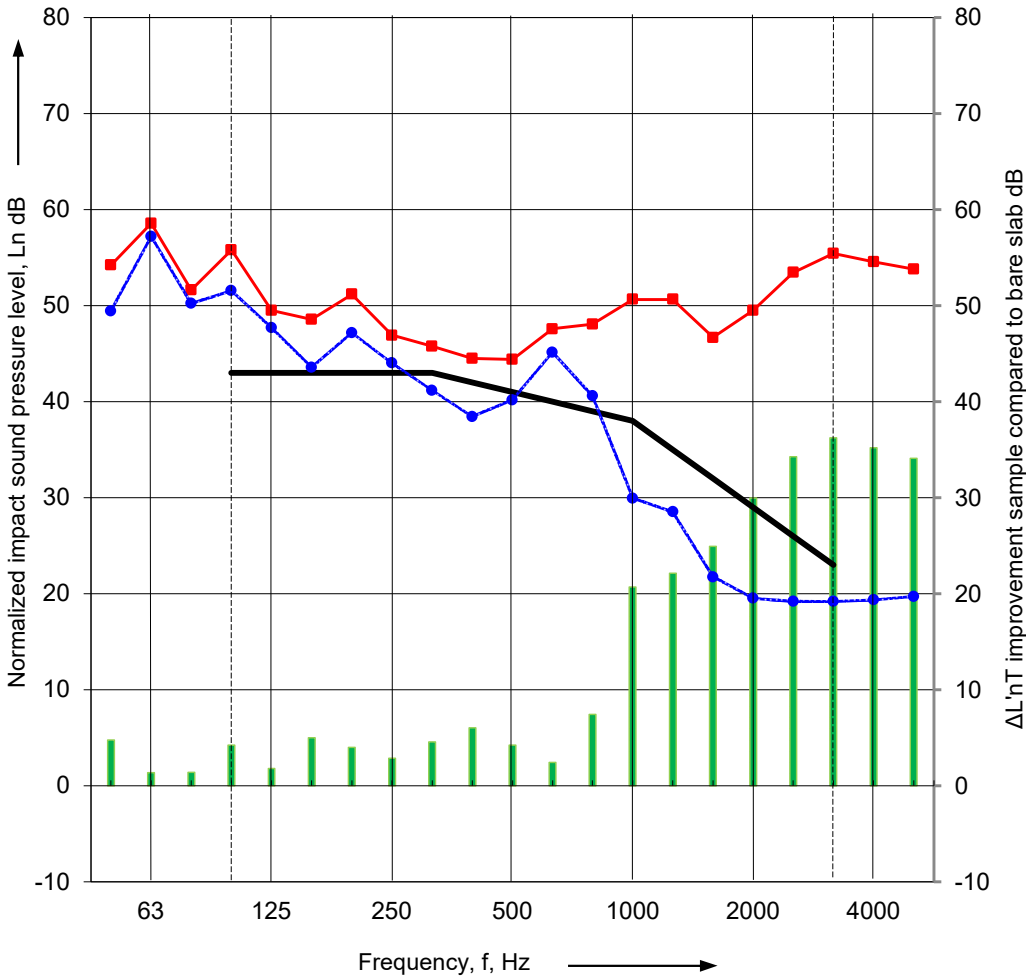
1: Sample plus substrate
Clever Choice loose-laid Hybrid Plank 10mm, no underlay 200mm thick concrete slab, 120mm cavity with no insulation, 13mm plasterboard ceiling

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

3: $\Delta L'nT$
 $\Delta L'nT$ improvement due to Clever Choice loose-laid Hybrid Plank 10mm, no 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	49	54	4.8
63	57	59	1.4
80	50	52	1.4
100	52	56	4.3
125	48	50	1.8
160	44	49	5.0
200	47	51	4.0
250	44	47	2.9
315	41	46	4.6
400	38	44	6.0
500	40	44	4.2
630	45	48	2.4
800	41	48	7.5
1000	30	51	20.7
1250	29	51	22.1
1600	22	47	24.9
2000	20	50	30.0
2500	19	53	34.2
3150	19	55	36.2
4000	19	55	35.2
5000	20	54	34.1
L'nT,w	41	58	n/a
Ci	1	-11	n/a
Ci(50-2500)	4	-9	n/a
$\Delta L'nT,w$	n/a	n/a	17
AAAC Star	5	2	n/a
FIIC	63	40	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) = 58 (-11 ; -9) dB;

Testing Company: Acoustic Works

Project number: 2024392 #

Location of test: Level 7 (of 15) residential building Ascot

Date of test: 3 October 2024

Client: Clever Choice Paxwood Pty Ltd

Sample area: 1m²

Room dimensions: 9.0m(L) x 4.0m(W) x 2.7m(H)