

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

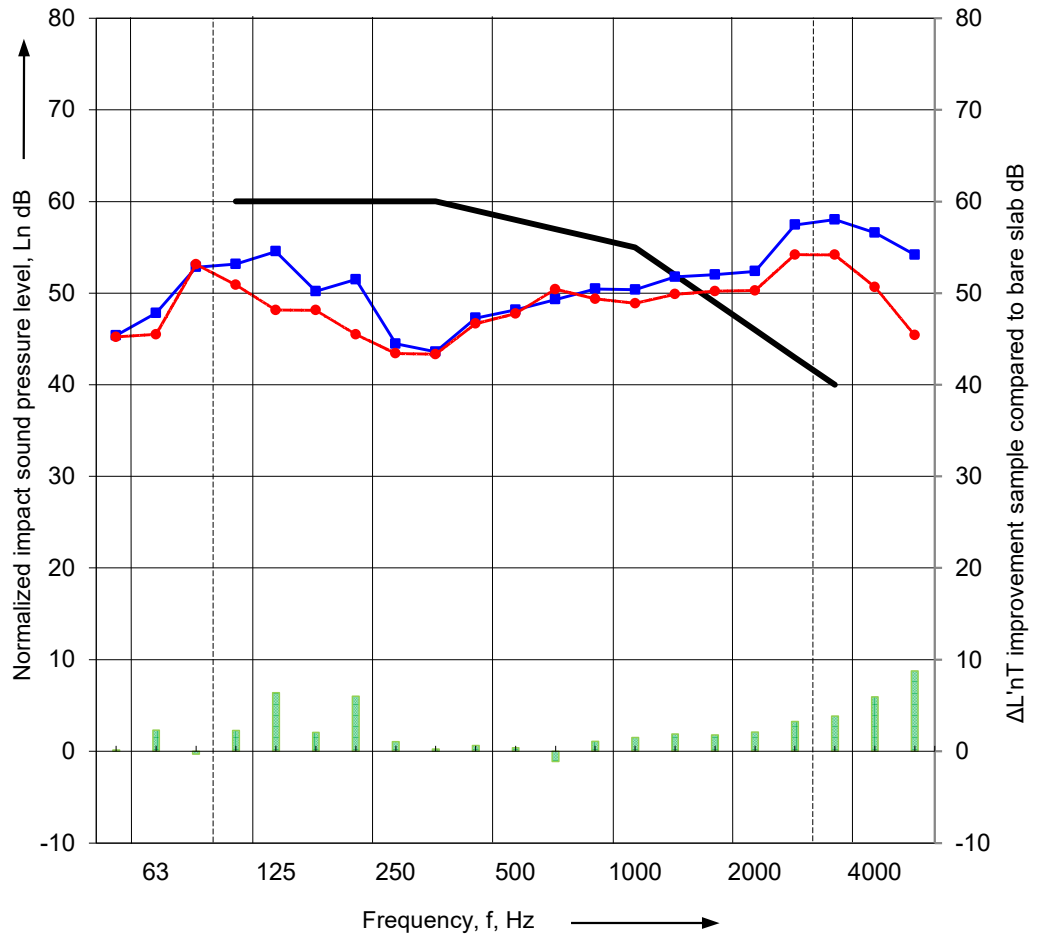
1: Sample plus substrate Clever Choice Vinyl Plank 2.5mm thick, Sika Bond-105 contact adhesive, 200mm concrete slab, 120mm cavity with no insulation, 13mm plasterboard ceiling

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 Vinyl Plank 2.5mm, Sika Bond-105 contact adhesive

$L'nT, w$  58 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	45	45	0.2
63	45	48	2.3
80	53	53	-0.3
100	51	53	2.3
125	48	55	6.4
160	48	50	2.1
200	45	52	6.0
250	43	44	1.1
315	43	44	0.3
400	47	47	0.6
500	48	48	0.4
630	50	49	-1.1
800	49	50	1.1
1000	49	50	1.5
1250	50	52	1.9
1600	50	52	1.8
2000	50	52	2.1
2500	54	57	3.3
3150	54	58	3.9
4000	51	57	5.9
5000	45	54	8.8



$L'nT, w$	58	61	n/a
Ci	-12	-13	n/a
Ci(50-2500)	-11	-12	n/a
$\Delta L'nT, w$	n/a	n/a	3
AAAC Star	2	2	n/a
FIIC	39	35	n/a

### Rating according to ISO 717-2

1: Sample plus substrate  $L'nT, w$  ( Ci ; Ci50-2500 ) = 58 (-12 ; -11) dB;  
 2: Substrate only  $L'nT, w$  ( Ci ; Ci50-2500 ) = 61 (-13 ; -12) dB;

Testing Company: Acoustic Works

Project number: 2023038

Location of test: Level 25 (of 39) residential building Broadbeach

Date of test: 14 February 2023

Client: Clever Choice Paxwood Pty Ltd

Sample area: 1m<sup>2</sup>

Room dimensions: 9.7m(L) x 6.4m(W) x 2.6m(H)