

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

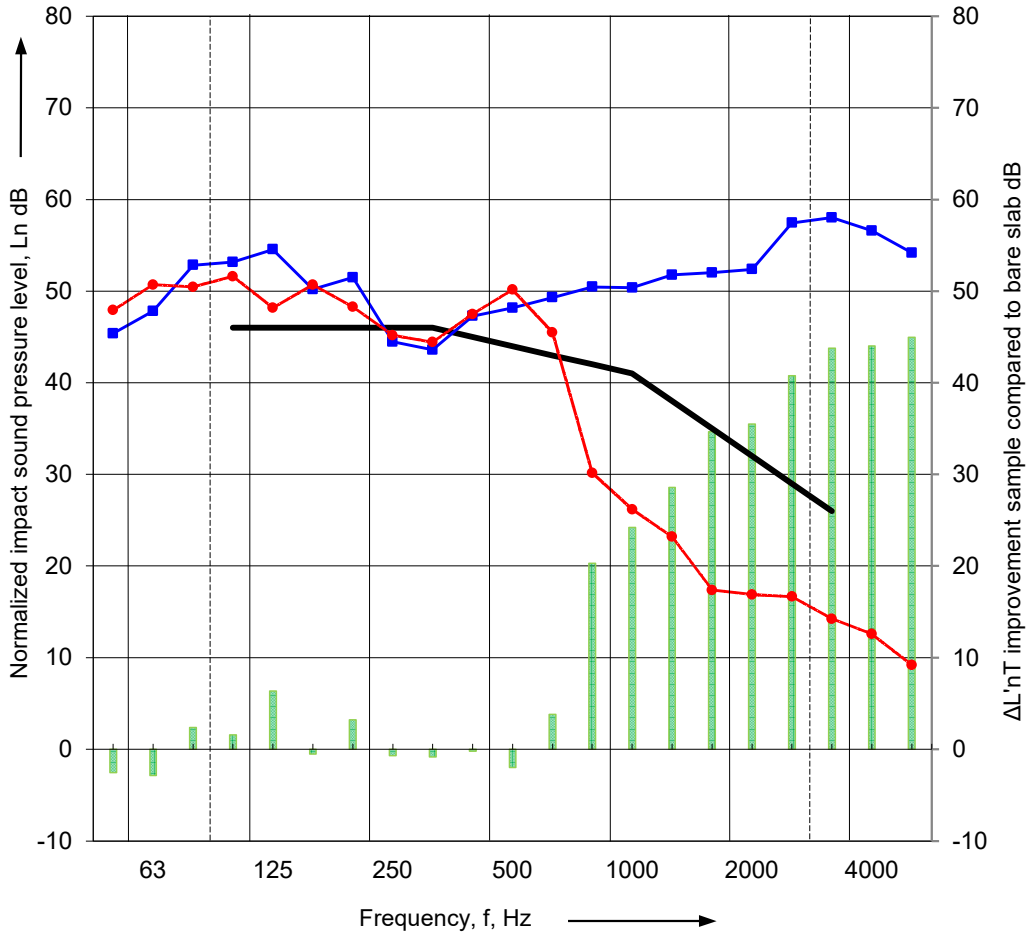
1: Sample plus substrate Clever Choice Hydro XL 12mm thick, 2mm Clever Choice IXPE Green underlay, 200mm concrete slab, 120mm cavity with no insulation, 13mm plasterboard ceiling

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 Hydro XL 12mm, 2mm Clever Choice IXPE Green underlay

$L'nT, w$ 44 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 | 48 | 45 | -2.5 |
| 63 | 51 | 48 | -2.9 |
| 80 | 50 | 53 | 2.4 |
| 100 | 52 | 53 | 1.6 |
| 125 | 48 | 55 | 6.4 |
| 160 | 51 | 50 | -0.5 |
| 200 | 48 | 52 | 3.2 |
| 250 | 45 | 44 | -0.7 |
| 315 | 44 | 44 | -0.8 |
| 400 | 47 | 47 | -0.2 |
| 500 | 50 | 48 | -2.0 |
| 630 | 45 | 49 | 3.8 |
| 800 | 30 | 50 | 20.3 |
| 1000 | 26 | 50 | 24.2 |
| 1250 | 23 | 52 | 28.6 |
| 1600 | 17 | 52 | 34.6 |
| 2000 | 17 | 52 | 35.5 |
| 2500 | 17 | 57 | 40.8 |
| 3150 | 14 | 58 | 43.8 |
| 4000 | 13 | 57 | 44.0 |
| 5000 | 9.2 | 54 | 45.0 |



| | | | |
|------------------|-----|-----|-----|
| $L'nT, w$ | 44 | 61 | n/a |
| Ci | -1 | -13 | n/a |
| Ci(50-2500) | 1 | -12 | n/a |
| $\Delta L'nT, w$ | n/a | n/a | 17 |
| AAAC Star | 5 | 2 | n/a |
| FIIC | 59 | 35 | n/a |

Rating according to ISO 717-2
 1: Sample plus substrate $L'nT, w$ (Ci ; Ci50-2500) = 44 (-1 ; 1) 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 | | |