

Standardised impact sound pressure level according to ISO 140-7

Field measurements of impact sound insulation of floors

Cloudwalk



CONTRIX

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Tel: +61 425 240 555

Add: 12 Ormonde Pde, Hurstville

Testing Date: Friday, 1 September 2023

Test No.: 01

Client: Cloudwalk

Testing Location: Residential apartment in Hurstville NSW

Floor Finish: Trident - Ultra Plank XL & Elements Hybrid XL

Acoustic Underlay: --

Sub-base & ceiling below: Existing reinforced concrete slab between two floor levels

Suspended ceiling cavity of 100~150 mm + 10 or 13 mm plasterboard (estimated)

Source Room: living area on the upper level

Receiver Room: living area on the lower level

Receiving room vol: 60.78

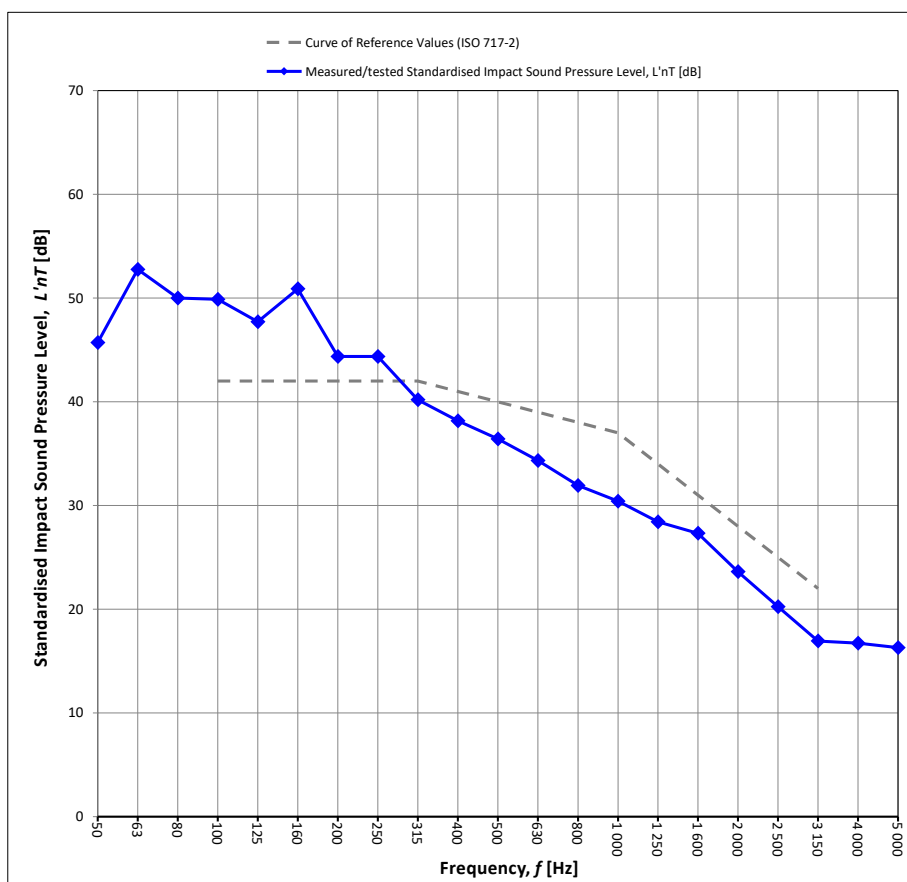
Receiver Room Surfaces:

Wall - Plasterboard

Floor Finish - Carpet

Ceiling - Plasterboard

Frequency, f [Hz]	L'nT (one-third octave) dB
50	45.7
63	52.8
80	50.0
100	49.9
125	47.7
160	50.9
200	44.4
250	44.4
315	40.2
400	38.2
500	36.4
630	34.3
800	31.9
1 000	30.4
1 250	28.4
1 600	27.3
2 000	23.6
2 500	20.2
3 150	16.9
4 000	16.7
5 000	16.3



Acoustical Rating

Measured Weighted Standardised Sound Level Difference, L'nTw

40

AS ISO 717.2 - 2004

Field Impact Isolation Class, FIIC

66

ASTME1007-14

AAAC Star Rating

6 Star

AAAC Guideline

Evaluation based on field measurement results obtained by an engineering method

Testing Date : Friday, 1 September 2023

Ref No. : 3777

Testing Organisation: Contrix Pty Ltd

Tested By: Michael Fan Chiang

BE(Mech), MAAS

CONTRIX
NOISE IMPACT ASSESSMENT
TESTING & CERTIFICATION

Disclaimers:

- The information provided in this report relates to sound insulation of floor coverings & underlays only.
- Contrix Pty Ltd does not provide products or installation services of hard floor coverings/underlay, therefore, not responsible or liable for any product defects.
- This testing report is site-specific and only applies to the subject premise for the tested product as specified in this document.
- The test results can vary from building to building, therefore, this document is not an acoustical certification of the tested products, however, provides information for the design guide only.
- It is highly recommended to engage a qualified acoustic consultant to conduct in-situ testing (field testing) prior to flooring installation.

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Testing Date: Friday, 1 September 2023

Test No.: 02

Client: Cloudwalk

Testing Location: Residential apartment in Hurstville NSW

Floor Finish: Trident - Ultra Plank XL & Elements Hybrid XL

Acoustic Underlay: Prima-Lay 3mm Rubber Underlay

Sub-base & ceiling below: Existing reinforced concrete slab between two floor levels

Suspended ceiling cavity of 100~150 mm + 10 or 13 mm plasterboard (estimated)

Source Room: living area on the upper level

Receiver Room: living area on the lower level

Receiving room vol: 60.78

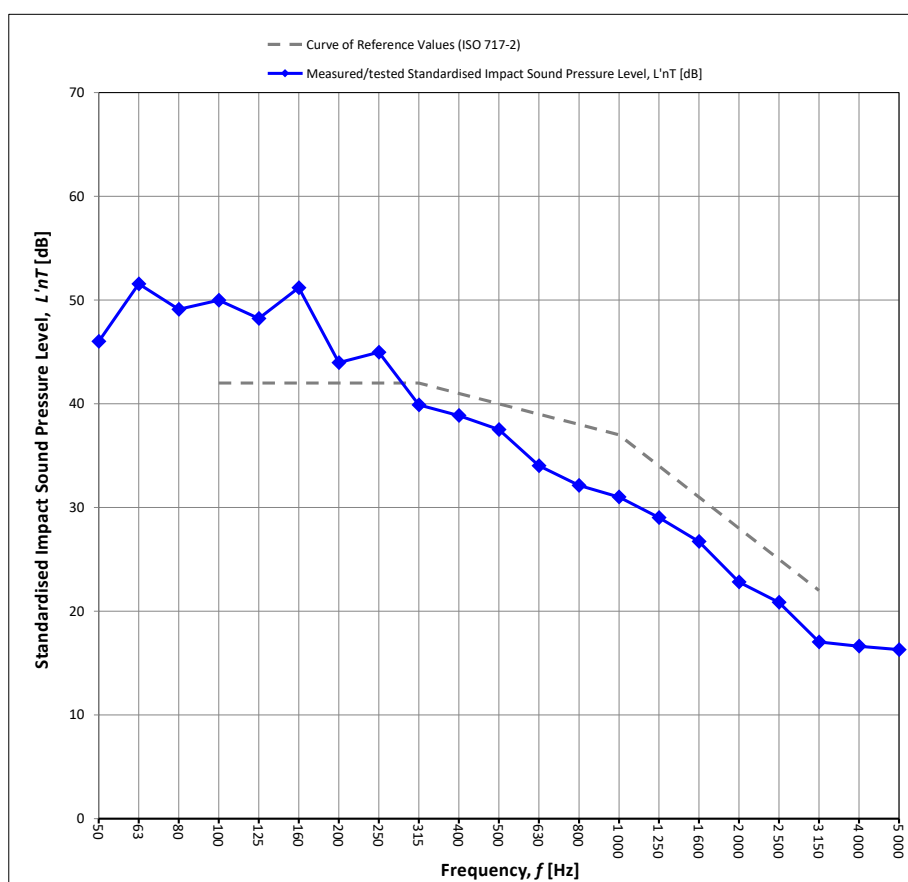
Receiver Room Surfaces:

Wall - Plasterboard

Floor Finish - Carpet

Ceiling - Plasterboard

Frequency, f [Hz]	L'nT (one-third octave)
Hz	dB
50	46.0
63	51.6
80	49.1
100	50.0
125	48.2
160	51.2
200	44.0
250	45.0
315	39.9
400	38.9
500	37.5
630	34.0
800	32.1
1 000	31.0
1 250	29.0
1 600	26.7
2 000	22.8
2 500	20.9
3 150	17.0
4 000	16.6
5 000	16.3



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