

Technical Data Sheet - Standardised Impact Sound Pressure Level

Impact Sound Insulation Testing of Floorboards

Leyton Floor Australia Pty Ltd

Testing Date: Friday, 3 July 2026

Test No.: 03

Client/Owner: Leyton Floor Australia Pty Ltd

Testing Location: Residential apartments in North Sydney NSW

Floor Finish: Leyton 14mm Engineered Timber Flooring

Acoustic Underlay: Leyton 3mm QUIETSTEP underlayment

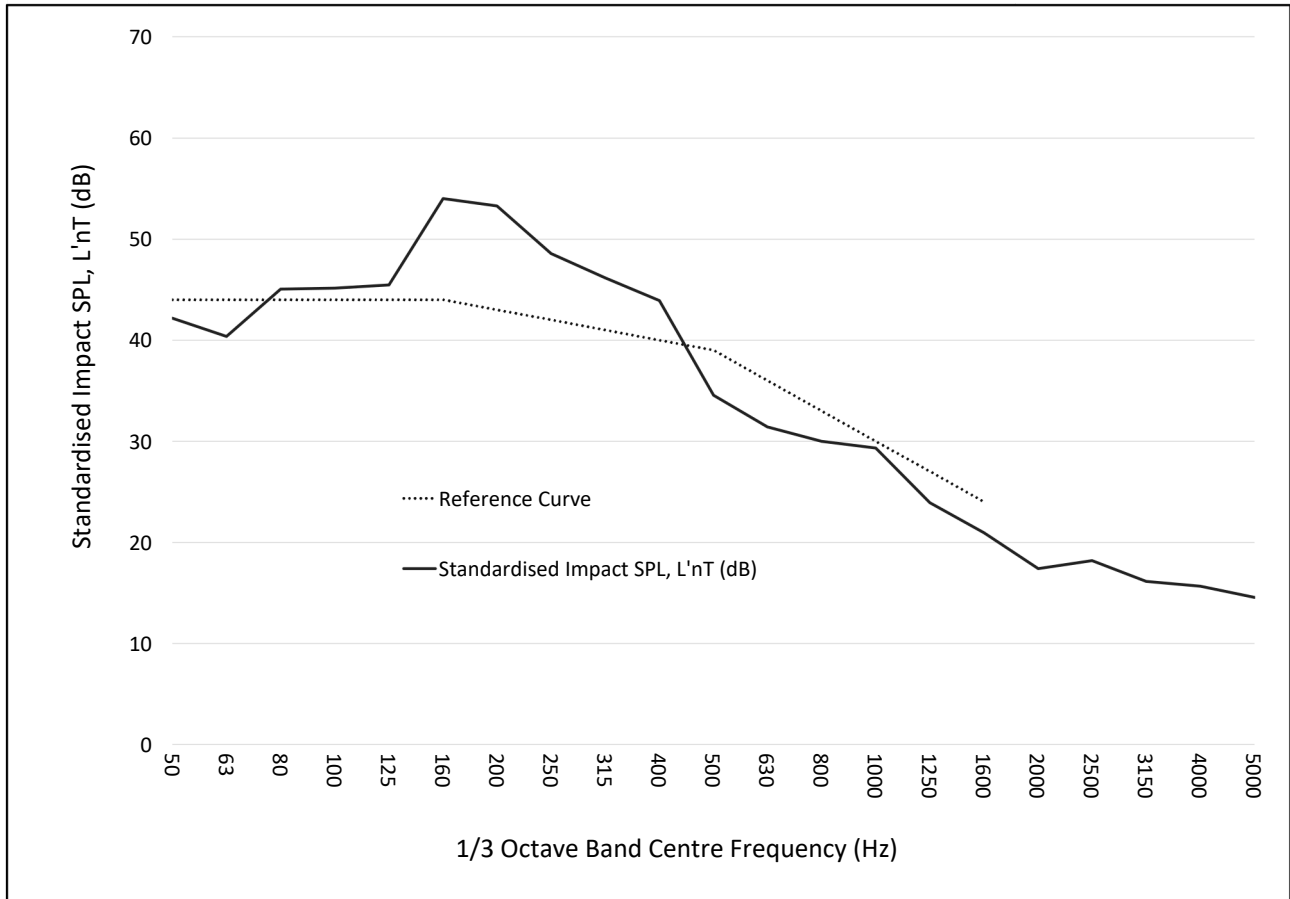
Sub-base & ceiling below: 200-220mm thick reinforced concrete slab

80-120mm suspended ceiling cavity with 10mm or 13mm plasterboard ceiling

Source Room: living area on the upper floor level

Receiver Room: living area on the lower floor level

Approx. receiver room vol: 70.35



1/3 Octave Band Centre Frequency (Hz)	50	63	80	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000
L'nT [dB]	42.2	40.4	45.1	45.2	45.5	54.0	53.3	48.6	46.2	43.9	34.6	31.4	30.0	29.3	23.9	20.9	17.4	18.2	16.1	15.6	14.6

Acoustical Rating

Weighted Standardised Field Impact Sound Pressure Level, **L'nT,w**

42

Field Impact Isolation Class, **FIIC**

62

AAAC Star Rating

5

Reference/Guideline

AS ISO 717.2 - 2004

ASTME1007-14

AAAC Guideline

Testing Date : Friday, 3 July 2026

Reference No.: 4008

Testing Organisation: Contrix Pty Ltd

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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.
- It is imperative to strictly adhere to the installation guidelines provided by the supplier or installation instructions. Contrix Pty Ltd bears no liability in the event of non-compliance with these instructions.
- The acoustic rating typically varies by up to 3 L'nT,w rating points, influenced by the placement of the tapping machine, testing locations within the unit, and the junction details between the floorboards, skirting, scotia, and walls. Many strata management and certifying authorities permit a tolerance of 3 L'nT,w rating points. Furthermore, deviations of up to 5 L'nT,w rating points have been recorded in rare cases.
- Proper edge treatment is required at the junction between floorboards and scotia or skirting boards. This can be achieved by maintaining a 10mm expansion gap. Where necessary, only use minimal gap filler or silicon to close the gap between the floorboards and the skirting boards/scotia.
- The test results presented in this report were based on approximately 1m² of the flooring being loose-laid (floating). The use of any glue or adhesive can negatively impact the acoustic rating. Based on previous testing data, a degradation of up to 10 L'nT,w or FIIC rating points has been recorded.
- The test results detailed in this report are intended solely for use as design guidelines and should not be interpreted as formal certification of the tested products.
- It is highly recommended to engage a qualified acoustic consultant (Contact Contrix Pty Ltd on +61 425 240 555 or other qualified consultants) to conduct in-situ testing (field testing) prior to flooring installation.