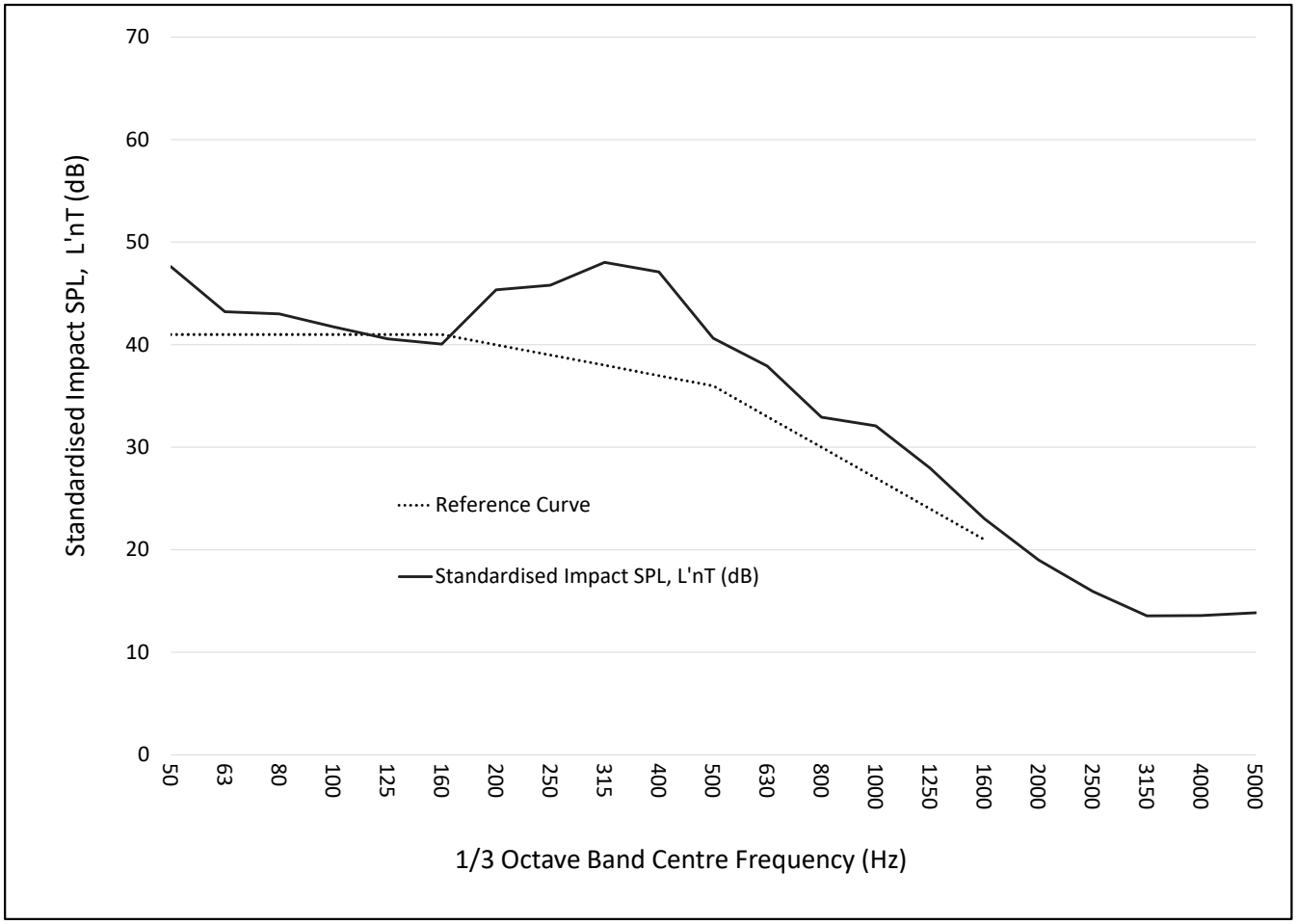
Technical Data Sheet - Standardised Impact Sound Pressure Level
Impact Sound Insulation Testing of Floorboards
Wonderwood Floors

Testing Date: Wednesday, 18 June 2025
Test No.: 08
Client/Owner: Wonderwood Floors
Testing Location: 34-36 Walker Street, Rhodes NSW
Floor Finish: Wonderwood 20mm Engineered Flooring
Acoustic Underlay: Pro-insul 5mm Black Rubber Underlay
Sub-base & ceiling below: 220mm reinforced concrete slab
Suspended ceiling cavity of 120mm with 13mm plasterboard ceiling
Source Room: Unit 4504 bedroom
Receiver Room: Unit 4409 master bedroom
Approx. receiver room vol: 29.16



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]	47.6	43.2	43.0	41.7	40.6	40.1	45.3	45.8	48.0	47.1	40.6	37.9	32.9	32.1	28.0	23.0	19.0	15.9	13.6	13.6	13.9

Acoustical Rating		Reference/Guildine
Measured Weighted Standardised Sound Level Difference, **L'nTw**	**39**	AS ISO 717.2 - 2004
Field Impact Isolation Class, **FIIC**	**72**	ASTME1007-14
AAAC **Star Rating**	**6**	AAAC Guideline

Testing Date :	Wednesday, 18 June 2025	**Contrix Pty Ltd**
Reference No.:	3905	ABN: 95 632 593 625
Testing Organisation:	Contrix Pty Ltd	E-mail: info@contrix.com.au
Tested By:	Michael Fan Chiang	Tel: +61 425 240 555
	BE(Mech)., MAAS	www.contrix.com.au/acoustics

Disclaimers:

1. The information provided in this report relates to sound insulation of floor coverings & underlays only.
2. Contrix Pty Ltd does not provide products or installation services of hard floor coverings/underlay, therefore, not responsible or liable for any product defects.
3. This testing report is site-specific and only applies to the subject premise for the tested product as specified in this document.
4. 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.
5. The acoustic rating typically varies by up to 3 L'nTw 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'nTw rating points. Furthermore, deviations of up to 5 L'nTw rating points have been recorded in rare cases.
6. The use of any glue or adhesive can negatively impact the acoustic rating. Based on previous testing data, a degradation of up to 5 L'nTw rating points has been recorded.
7. 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.
8. 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.