

# Technical Data Sheet - Standardised Impact Sound Pressure Level

## Impact Sound Insulation Testing of Floorboards

### Wonderwood Floors

**Testing Date:** Wednesday, 18 June 2025

**Test No.:** 18

**Client/Owner:** Wonderwood Floors

**Testing Location:** 34-36 Walker Street, Rhodes NSW

**Floor Finish:** Wonderwood 8mm Hybrid Flooring

**Acoustic Underlay:** Built-in

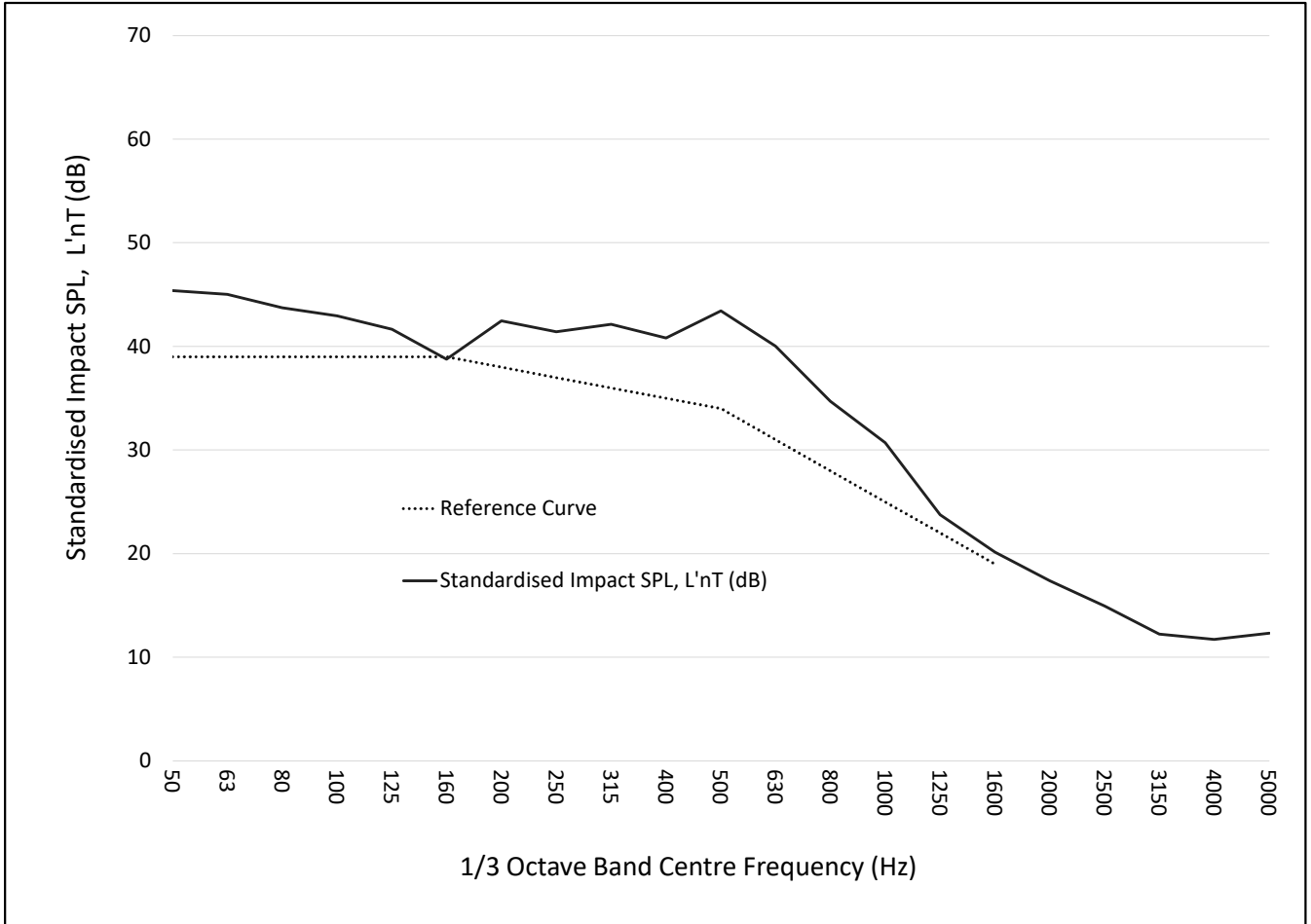
**Sub-base & ceiling below:** 220mm reinforced concrete slab

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]	45.4	45.0	43.7	42.9	41.7	38.8	42.4	41.4	42.1	40.8	43.4	40.0	34.7	30.7	23.8	20.1	17.4	14.9	12.2	11.7	12.3

Acoustical Rating	Reference/Guideline
Measured Weighted Standardised Sound Level Difference, <b>L'nTw</b> <span style="float: right;"><b>37</b></span>	AS ISO 717.2 - 2004
Field Impact Isolation Class, <b>FIC</b> <span style="float: right;"><b>73</b></span>	ASTME1007-14
AAAC <b>Star Rating</b> <span style="float: right;"><b>6</b></span>	AAAC Guideline

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

**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.