

FIELD FLOOR IMPACT INSULATION TEST REPORT



25 point
dB reduction

"CASA" SPC HYBRID FLOORING



Commissioned by:	Auslay Industries Pty Ltd (Darren Conroy)
Date:	20 March 2023
Project number:	5752
Version:	V.0
Author:	Javier Schneider Navas Jurado

FIELD IMPACT SOUND INSULATION - TEST CERTIFICATE

Test 5 of 6

Auslay SPC hybrid 4mm

PROJECT: PN5752 U91-29 Apha St, Taringa
Test Location: Level 4 U91 Bedroom Area to level 3 U85 Bedroom Area
Client: Darren Conroy
Test Performed: Javier Navas
Meas. Date: 15-Mar-2023
Meas. Parameter: LLeq
Tapping Machine: Look Line EM50
Receiving Room Volume: 26 m³

DESCRIPTION OF FLOOR AND SPECIMEN

Test Surface: Auslay SPC hybrid 4mm

Underlay:

Adhesive:

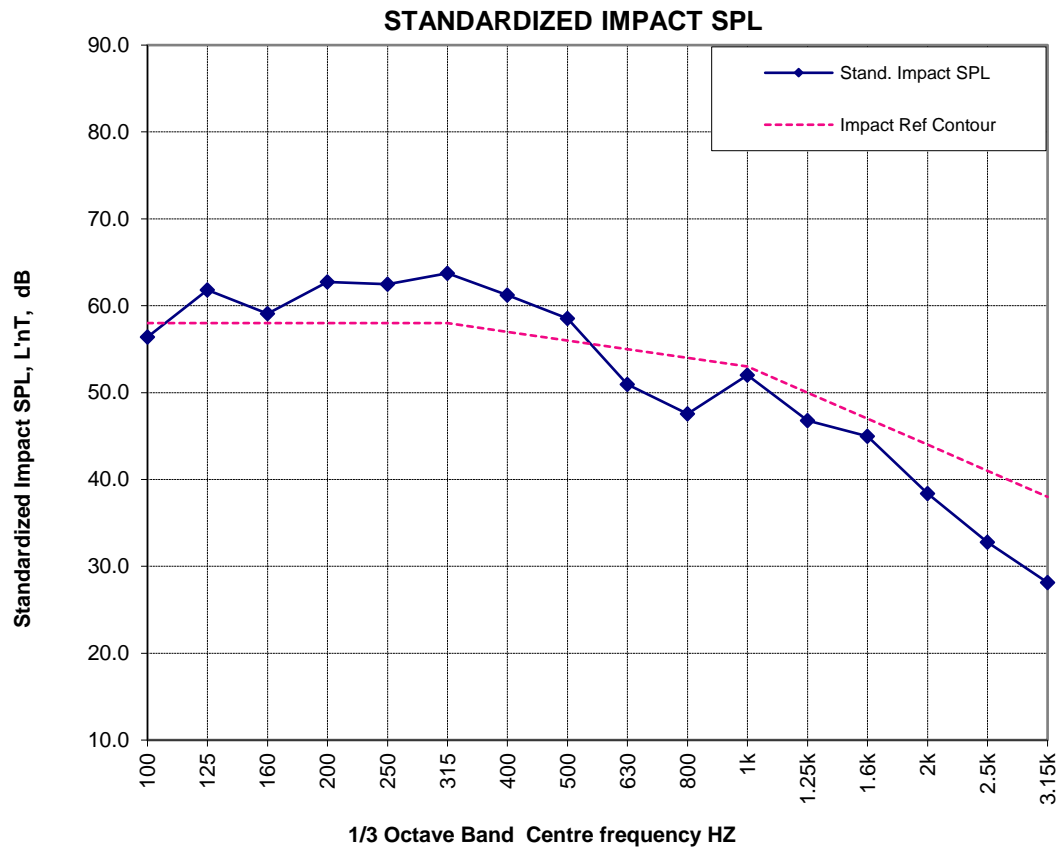
Ceiling: Concrete

Slab: Concrete

No. of Source posn: 2
Mic. posn: 2 sweeps
RT meas: 5 Imp.
SLM: B&K 2250

Weighted Standardized Impact SPL **L'nT,w** **56** ISO 16283-2:2015 & 717-2:2013

Centre Frequency	Stand. Impact SPL	Impact Ref Contour	Deficiencies
Hz	dB	dB	dB
100	56.4	58	
125	61.8	58	3.8
160	59.1	58	1.1
200	62.7	58	4.7
250	62.5	58	4.5
315	63.7	58	5.7
400	61.2	57	4.2
500	58.5	56	2.5
630	50.9	55	
800	47.5	54	
1k	52.0	53	
1.25k	46.8	50	
1.6k	45.0	47	
2k	38.4	44	
2.5k	32.8	41	
3.15k	28.1	38	
Total			



L'nT,w 56 26.6

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Test 6 of 6

Concrete slab

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Test Location: Level 4 U91 Bedroom Area to level 3 U85 Bedroom Area
Client: Darren Conroy
Test Performed: Javier Navas
Meas. Date: 15-Mar-2023
Meas. Parameter: LLeq
Tapping Machine: Look Line EM50
Receiving Room Volume: 26 m³

DESCRIPTION OF FLOOR AND SPECIMEN

Test Surface: Concrete slab

Underlay:

Adhesive:

Ceiling: Concrete

Slab: Concrete

No. of Source posn: 2
Mic. posn: 2 sweeps
RT meas: 5 Imp.
SLM: B&K 2250

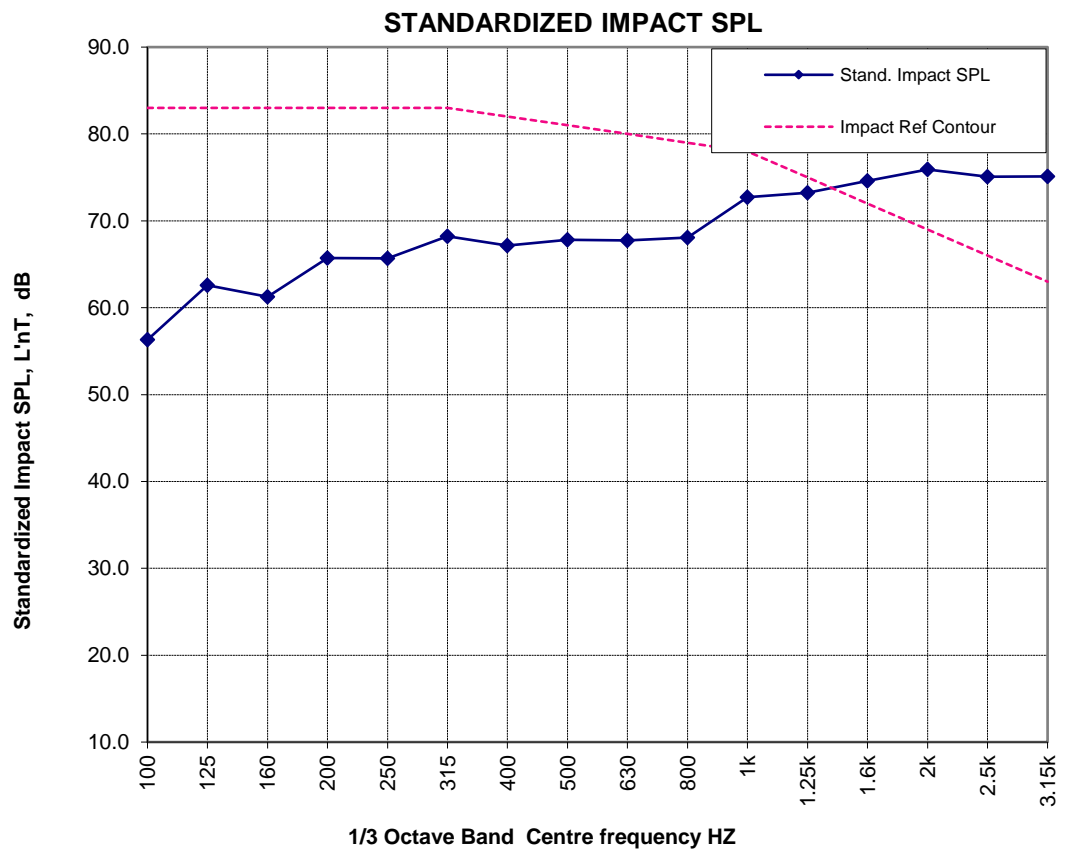
Weighted Standardized Impact SPL

L'nT,w

81

ISO 16283-2:2015 & 717-2:2013

Centre Frequency	Stand. Impact SPL	Impact Ref Contour	Deficiencies
Hz	dB	dB	dB
100	56.3	83	
125	62.6	83	
160	61.3	83	
200	65.7	83	
250	65.7	83	
315	68.2	83	
400	67.2	82	
500	67.8	81	
630	67.7	80	
800	68.1	79	
1k	72.7	78	
1.25k	73.2	75	
1.6k	74.6	72	2.6
2k	75.9	69	6.9
2.5k	75.1	66	9.1
3.15k	75.1	63	12.1
Total			



L'nT,w 81 30.7