



FIELD IMPACT SOUND INSULATION - TEST CERTIFICATE

Test 3 of 3

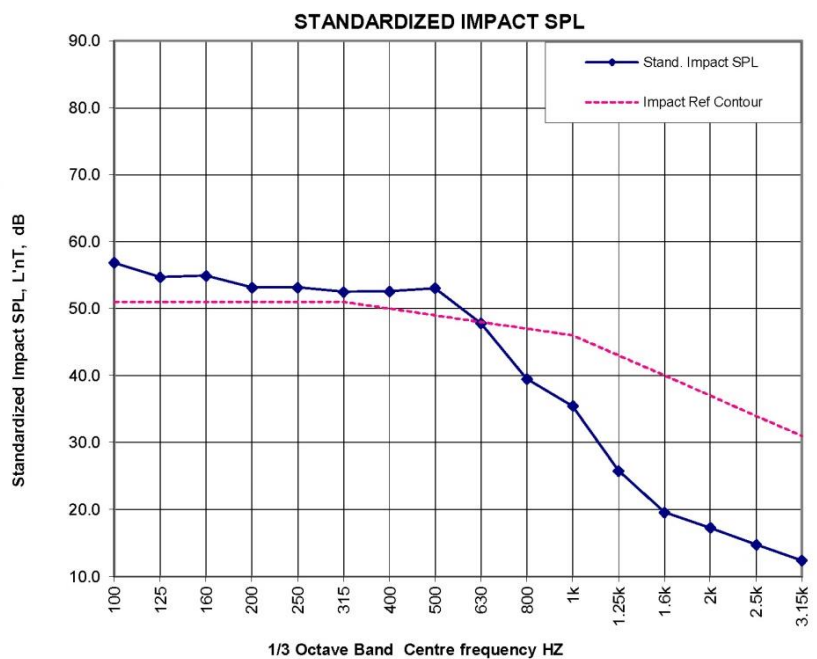
**Trojan Hybrid Flooring - 8mm thick with rubber backing
black plastic**

PROJECT: PN5236 U609 35 Kelburn Street, Upper Mt Gravatt LNT	Meas. Date: 26-May-2021
Test Location: Level 6 U609 Liv, Kit/Din room to Level 5 U509 Liv, Kit/Din room	Meas. Parameter: LLeq
Client: Trojan Timbers PTY LTD	Tapping Machine: Look Line EM50
Test Performed: Eric Huang	Receiving Room Volume: 84 m ³

DESCRIPTION OF FLOOR AND SPECIMEN	No. of Source posn: 2
Test Surface: Trojan Hybrid Flooring - 8mm thick with rubber backing	Mic. posn: 2 sweeps
Underlay: black plastic	RT meas: 4 Imp.
Adhesive: loose laid	SLM: Nti XL2
Ceiling: 13mm plasterboard with 200mm ceiling cavity	
Slab: 180mm Concrete	

Weighted Standardized Impact SPL	L'nT,w	49	ISO 16283-2:2015 & 717-2:2013
Results standardized to a RT of 0.5 seconds			
Impact Insulation Class	FIIC	57	ASTM E1007-97 & E989-89

Centre Frequency	Stand. Impact SPL	Impact Ref. Contour	Deficiencies
Hz	dB	dB	dB
100	56.8	51	5.8
125	54.7	51	3.7
160	54.9	51	3.9
200	53.1	51	2.1
250	53.1	51	2.1
315	52.5	51	1.5
400	52.6	50	2.6
500	53.0	49	4.0
630	47.8	48	
800	39.5	47	
1k	35.5	46	
1.25k	25.8	43	
1.6k	19.6	40	
2k	< 17.3	37	
2.5k	< 14.7	34	
3.15k	< 12.4	31	
Total			



L'nT,w 49 25.8

24 Mexicanus Drive Park Ridge QLD 4125
Ph (61 7) 3802 2155 www.palmeracoustics.com