

VIPAC ENGINEERS AND SCIENTISTS			
FIELD IMPACT SOUND INSULATION - TEST CERTIFICATE			
		Test	3 of 3
6.5mm Inspire Flooring Hybrid Planks			
PROJECT:	Portside Wharf Stage 2, Promenade, Hamilton	Date of measurement:	4-Sep-19
Test Location:	L6 Unit 20610 Living to L5 Unit 20510 Living	Meas. Parameter:	LLeq
Test Surface:	6.5mm Inspire Flooring Hybrid Planks	Tapping Machine:	Norsonic 211A
Client:	Online Flooring Store	Receiving Room Volume:	24 m ³
Test Performed:	Rasika Chandrasekara		
DESCRIPTION OF FLOOR AND SPECIMEN		No. of Source posn:	2
Test Floor:	6.5mm Inspire Flooring Hybrid Planks	Mic. posn:	2 sweeps
Type of Underlay:		RT meas:	2 Imp.
Type of Adhesive:	Loose laid	SLM:	B&K 2250
Ceiling:	Plasterboard ceiling with 400mm air gap		
Slab:	200mm Concrete Slab		
Weighted Standardized Impact SPL	L'nT,w	38	ISO 16283-2:2015 & 717-2:2013
	FIIC	66	ASTM E1007-97 & E989-89
Centre Frequency	Stand. Impact SPL	Impact Ref Contour	Deficiencies
Hz	dB	dB	dB
100	< 44.9	40	4.9
125	< 49.1	40	9.1
160	< 47.0	40	7.0
200	< 44.0	40	4.0
250	< 39.6	40	
315	< 36.4	40	
400	< 37.1	39	
500	< 40.8	38	2.8
630	< 35.1	37	
800	< 29.6	36	
1k	< 27.5	35	
1.25k	< 25.1	32	
1.6k	< 22.5	29	
2k	< 22.3	26	
2.5k	< 23.2	23	0.2
3.15k	< 23.9	20	3.9
	Total		
L'nT,w	38		32.0

