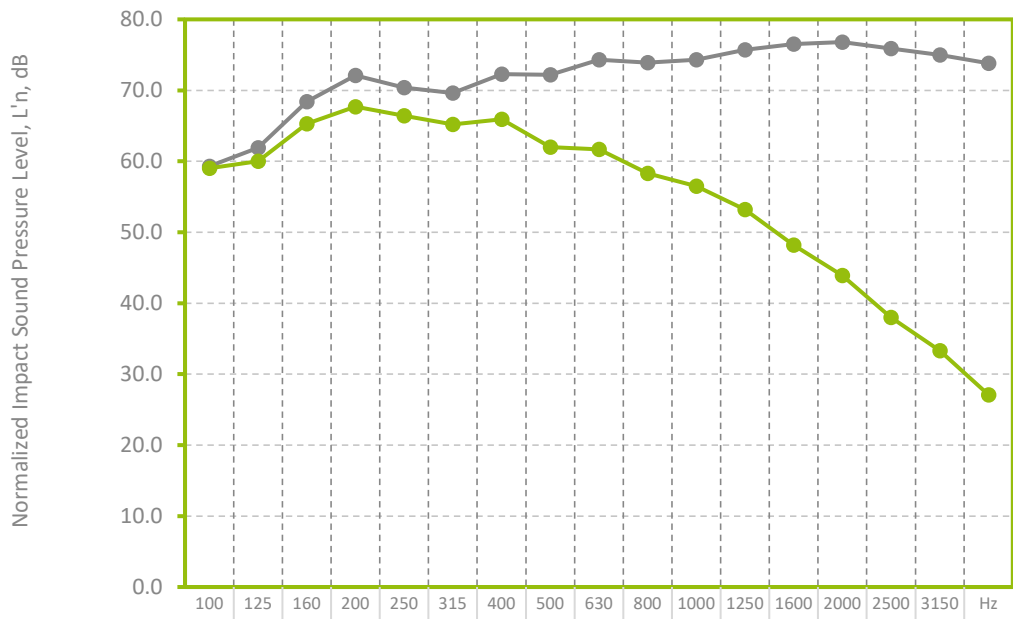


ACOUSTIC TEST

LAMINATE NORMALIZED IMPACT SOUND PRESSURE LEVELS

Bare slab and REGUPOL sonus multi 4.5mm acoustic underlay

Lab Test: CSIRO CLAYTON INR216-09-1 (RG088)
Standard: Tested in accordance with ISO 140-8: 2006 (E), ISO 140-6-2006, AS ISO 717.2-2004, ASTM E989-89
Test Date: 22/9/2016
Construction: Bare 150mm Concrete Slab
 Layer of 8mm Laminate, to **REGUPOL sonus multi 4.5mm**, to 150mm Concrete Slab (no ceiling)
**Sample was a non-bonded installation. Floor size 3.6m x 3.0m (10.8m²)*



	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	Hz
● Bare Slab	59.3	61.9	68.4	72.1	70.4	69.6	72.3	72.2	74.3	73.9	74.3	75.7	76.5	76.8	75.9	75.0	73.8
● Laminate to REGUPOL sonus multi 4.5mm	59.0	60.0	65.3	67.7	66.4	65.2	65.9	62.0	61.7	58.3	56.5	53.2	48.2	43.9	38.0	33.3	27.1

Bare 150mm Concrete Slab

8mm Laminate non-bonded, to REGUPOL sonus multi 4.5mm, non-bonded to 150mm Concrete Slab

L_{n,w} 82 dB

L_{n,w} 60 dB

IIC 25

IIC 50

Improvement ΔL_w

Δ L_w as defined by AS ISO 717.2.2004 Using reference floor L_w 78.

Improvement Δ L_w 19dB

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