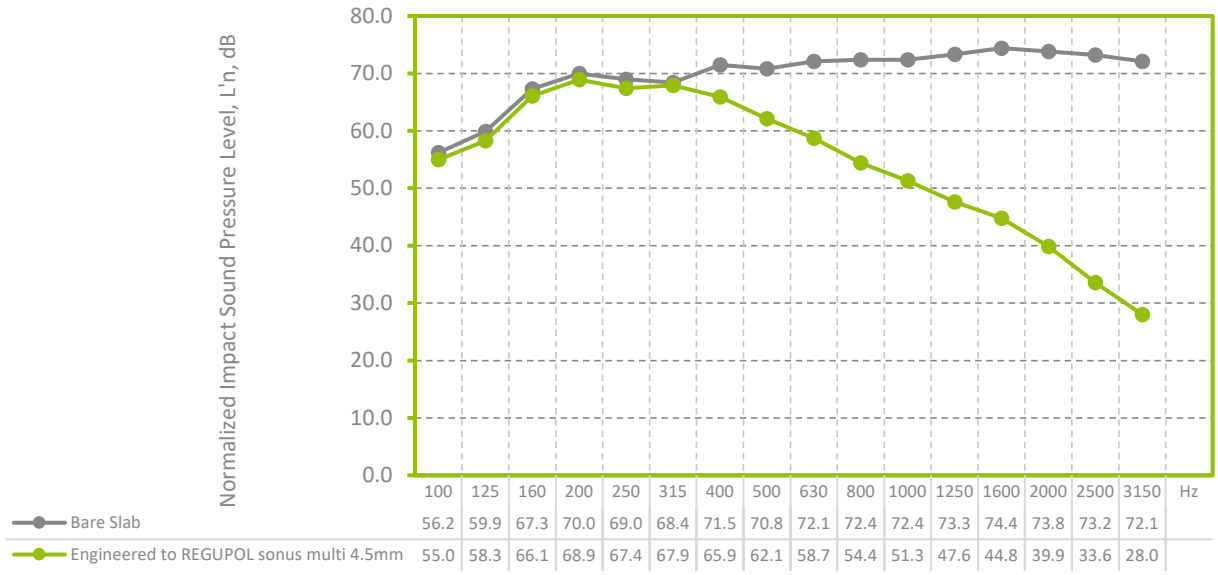
ACOUSTIC TEST

ENGINEERED TIMBER NORMALIZED IMPACT SOUND PRESSURE LEVELS

Bare slab and REGUPOL sonus multi 4.5mm acoustic underlay

Lab Test: CSIRO INR210-06-01 Test Sample (RG086)
Standard: Tested in accordance with ISO 140-8: 2006 (E), ISO 140-6-2006, AS ISO 717.2-2004, ASTM E989-89
Test Date: 27/5/2016
Construction: Bare 150mm Concrete Slab
Layer of 14mm Engineered Timber, 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	56.2	59.9	67.3	70.0	69.0	68.4	71.5	70.8	72.1	72.4	72.4	73.3	74.4	73.8	73.2	72.1	
Engineered to REGUPOL sonus multi 4.5mm	55.0	58.3	66.1	68.9	67.4	67.9	65.9	62.1	58.7	54.4	51.3	47.6	44.8	39.9	33.6	28.0	

Bare 150mm Concrete Slab	14mm Engineered Timber non-bonded, to REGUPOL sonus multi 4.5mm, non-bonded to 150mm Concrete Slab
$L_{n,w}$ 79 dB	**$L_{n,w}$ 60 dB**
IIC 28	**IIC 50**
Improvement ΔL_w **ΔL_w as defined by AS ISO 717.2.2004 Using reference floor L_w 78.**	**Improvement ΔL_w 17dB**

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