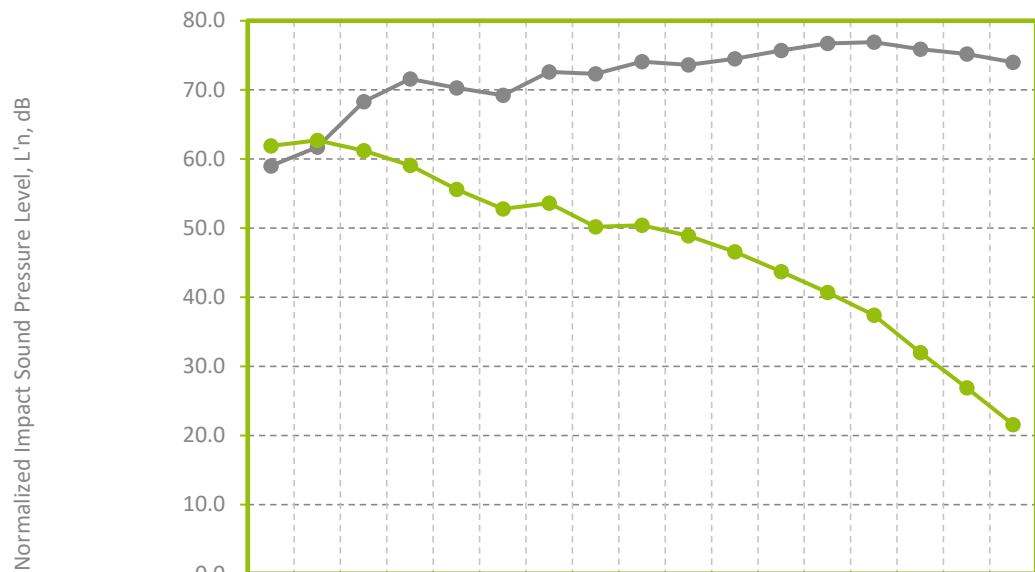


# ACOUSTIC TEST

## TILES WITH SCREED NORMALIZED IMPACT SOUND PRESSURE LEVELS

### Bare slab and REGUPOL sonus curve 6/3mm acoustic underlay

**Lab Test:** CSIRO CLAYTON INR216-04-01 (RG095)  
**Standard:** Tested in accordance with ISO 140-8: 2006 (E), ISO 140-6-2006, AS ISO 717.2-2004, ASTM E989-89  
**Test Date:** 20/9/2016  
**Construction:** Bare 150mm Concrete Slab  
 Layer of 8mm Ceramic Tile, to 30mm Screed Bed, to **REGUPOL sonus curve 6/3mm**, to 150mm Concrete Slab (no ceiling)  
 \*Floor size 3.6m x 3.0m (10.8m<sup>2</sup>)



Frequency (Hz)	Bare Slab (L'n, dB)	Tile + Screed to REGUPOL sonus curve 6/3mm (L'n, dB)
100	59.0	61.9
125	61.7	62.7
160	68.3	61.2
200	71.6	59.1
250	70.3	55.6
315	69.2	52.8
400	72.6	53.6
500	72.3	50.2
630	74.1	50.4
800	73.6	48.9
1000	74.5	46.6
1250	75.7	43.7
1600	76.7	40.7
2000	76.9	37.4
2500	75.9	32.0
3150	75.2	26.9
4000	74.0	21.6

**Bare 150mm Concrete Slab**

**8mm Ceramic Tile, to 30mm Screed Bed, to  
REGUPOL sonus curve 6/3mm, to 150mm Concrete Slab**

**L<sub>n,w</sub> 82 dB**

**L<sub>n,w</sub> 52 dB**

**IIC 25**

**IIC 57**

**Improvement ΔL<sub>w</sub>**

**Δ L<sub>w</sub> as defined by AS ISO 717.2.2004 Using reference floor L<sub>w</sub> 78.**

**Improvement Δ L<sub>w</sub> 24dB**

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