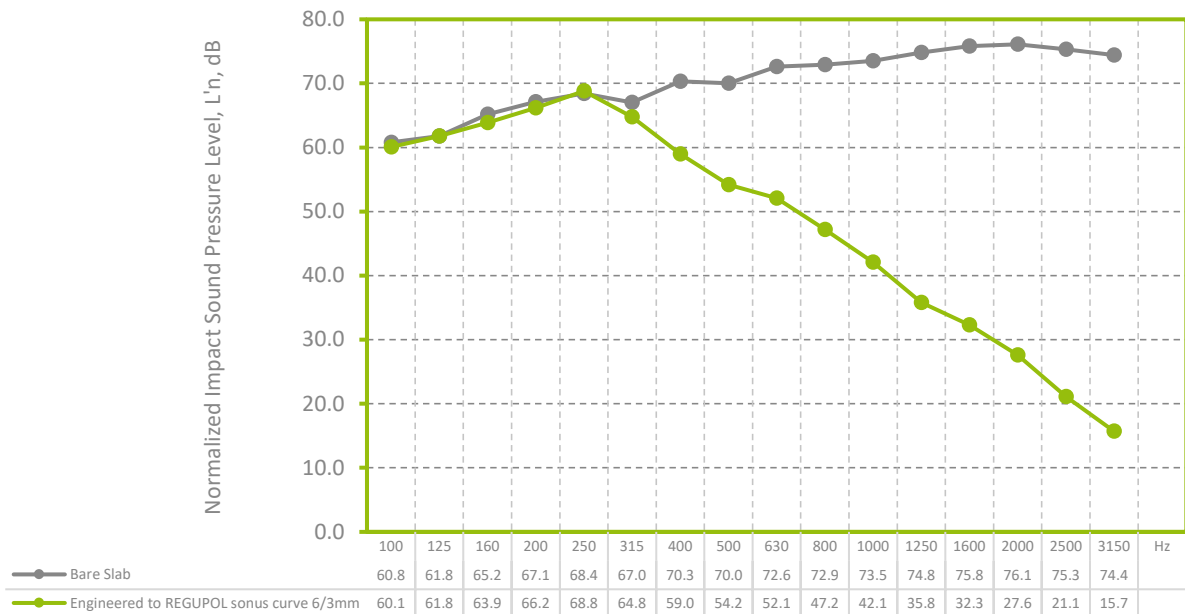


# ACOUSTIC TEST

## ENGINEERED TIMBER NORMALIZED IMPACT SOUND PRESSURE LEVELS

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

**Lab Test:** CSIRO CLAYTON INR237-02-01 (RG113)  
**Standard:** Tested in accordance with ISO 140-8: 2006 (E), ISO 140-6-2006, AS ISO 717.2-2004, ASTM E989-89  
**Test Date:** 22/9/2017  
**Construction:** Bare 150mm Concrete Slab  
 Layer of 14mm Engineered Timber, to **REGUPOL sonus curve 6/3mm** dimpled, to 150mm Concrete Slab (no ceiling)  
 \* Sample was a non-bonded installation. Floor size 3.6m x 3.0m (10.8m<sup>2</sup>)



**Bare 150mm Concrete Slab**

**14mm Engineered Timber non-bonded, to REGUPOL sonus curve 6/3mm, non-bonded to 150mm Concrete Slab**

**L<sub>n,w</sub> 81 dB**

**L<sub>n,w</sub> 58 dB**

**IIC 26**

**IIC 51**

**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> 17dB**

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