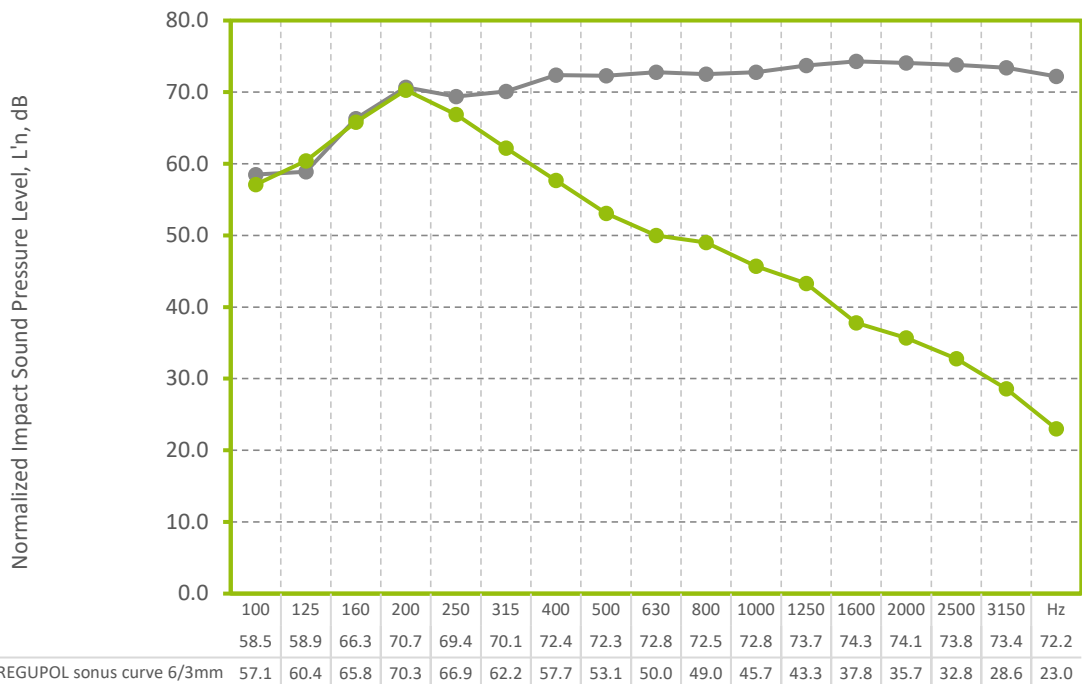


# ACOUSTIC TEST

## T&G TIMBER NORMALIZED IMPACT SOUND PRESSURE LEVELS – SAMPLE SIZE

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

**Lab Test:** CSIRO CLAYTON INR141 Test Sample (h) (RG018)  
**Standard:** Tested in accordance with ISO 140-8: 2006 (E), ISO 140-6-2006, AS ISO 717.2-2004, ASTM E989-89  
**Test Date:** 15/02/2004  
**Construction:** Bare 170mm Concrete Slab  
 Layer of 19mm T&G Timber, bonded to 18mm Yellow Tongue, bonded to **REGUPOL sonus curve 6/3mm** dimpled, to 170mm Concrete Slab (no ceiling) \* Sample was bonded together and fixed to the concrete slab. Sample size 1200 x 1200m



**Bare 170mm Concrete Slab**

**Layer of 19mm T&G Timber, bonded to 18mm Yellow Tongue, bonded to REGUPOL sonus curve 6/3mm, bonded to 170mm Concrete Slab**

**$L_{n,w}$  80 dB**

**$L_{n,w}$  57 dB**

**IIC 27**

**IIC 50**

**Improvement  $\Delta L_w$**

**Improvement  $\Delta L_w$  23dB**

**$\Delta L_w$  as defined by AS ISO 717.2.2004 Using reference floor  $L_w$  78.**

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