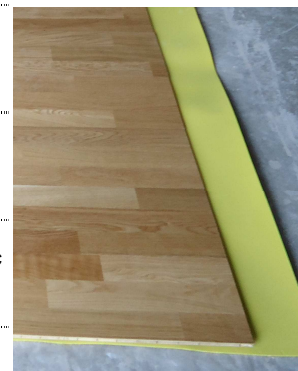


Statement of Results (Impact Sound Insulation Test)

CSIRO Test: INR183-1 Commissioned by: **Golden Field Corporation Pty Ltd**

Construction (from top down):

- | | |
|--|--|
| • Engineered Hardwood flooring, 14 mm thick | Golden Field Prefinished Engineered 3-Ply Parquet hardwood flooring (lacquered 3-strip rustic oak) with tongue and groove edge profiles. Plank size: 14 mm thick x 2200 x 189 mm. Area mass: approx 7.2 kg/m ² . |
| • GREENEARTH EVA Acoustic underlay, 3 mm thick | 3 mm neoprene underlay with 60 micron vapour barrier. Supplied in 20 m ² rolls, 1100 mm wide, with pre-applied adhesive tape and 8 cm vapour barrier overlap. Area mass: approx 0.36 kg/m ² . |
| • 150 mm Reinforced Concrete Slab | 3.68 x 3.22 m reinforced concrete test slab, 150 mm thick, installed in a purpose-designed opening between two acoustic reverberation chambers; the surrounding concrete being 305 mm thick. Area mass: approx 360 kg/m ² . |
| • Ceiling: None | The underside of the concrete slab formed the top surface of the receiving chamber. |



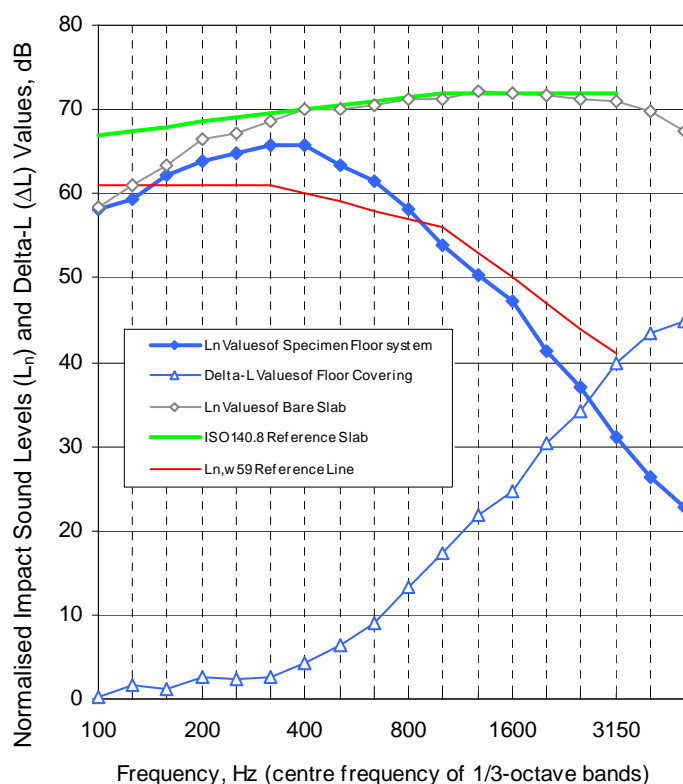
Results $L_{n,w}(C_i) = 59(-1)$

Freq (Hz)	Normalized Impact SPL (dB)		Improvement ΔL (dB)
	Bare Floor	With Floor Covering	
100	58.5	58.2	0.3
125	61.1	59.4	1.7
160	63.4	62.1	1.3
200	66.5	63.9	2.6
250	67.1	64.8	2.3
315	68.5	65.8	2.7
400	70.1	65.8	4.3
500	70.0	63.5	6.5
630	70.6	61.6	9.0
800	71.3	58.1	13.2
1000	71.3	53.9	17.4
1250	72.1	50.3	21.8
1600	71.9	47.2	24.7
2000	71.7	41.4	30.3
2500	71.3	37.1	34.2
3150	70.9	31.0	39.9
4000	69.7	26.3	43.4
5000	67.5	22.7	44.8
ΔL_w	-	-	17
ΔL_{in}	-	-	7
IIC	29	51	-
$L_{n,w}$	78	59	-
C_i	-12	-1	-
$L_{n,w} + C_i$	66	58	-

Test Conditions

- Date of measurement: 9 April 2013
- Barometric pressure: 1025 hPa
 - Source chamber: 19 °C, 65 % RH
 - Receiving chamber: 19 °C, 67 % RH

Impact Sound Data for the concrete test-slab with the Floor Covering described above.



Note: \geq and \leq indicate levels, if any, where measurability was limited by background level.

These are the results of testing carried out at CSIRO Acoustic Laboratories, 37 Graham Rd, Hightett, Australia 3190 in accordance AS ISO 140.6-2006 and AS ISO 140.8-2006. Calculations have been carried out in accordance with AS ISO 717.2-2004 and ASTM E989-89. This appendix may serve as a statement of results for the particular floor materials described; full details are contained in CSIRO Report INR183/R1.