Summary of Test results for A1 Rubber Impact Sound Acoustic Underlays for AcoustaMat, AcoustaMat cork/rubber and AcoustaMat Tiles which were conducted at the CSIRO Acoustic Laboratory - Highett Victoria in June 2008 Report No. 157 & April 2009 Report No. 163.

All tests were carried out and installed in situ on the CSIRO compliant slab of 150mm thickness with NO CEILING - even higher results will be achieved with the addition of a generic ceiling system, the value of which depends on the system employed.

Please note: The lower the Ln,w number, the better the result. For example: For a requirement of Ln,w 62 – if the test result achieved is Ln,w 59 it has exceeded compliance by 3 points…

A1 Rubber's AcoustaMat Rolls and Tiles have been developed to exceed the 'Deemed to Satisfy' requirements of the Building Code of Australia (BCA), Part 5. 'Sound Transmissions and Insulations, Class 2 or 3 Buildings - Floors of no higher than Ln,w 62' The C,i correction factor has been calculated into the final results.

Flooring system tested	Delta ΔLw (dB) reduction	Adhesive	A1 Rubber Impact Sound Acoustic Underlay tested	Ln,w Result
14mm Engineered Timber (Floating)	18	Nil	850 Density 3mm AcoustaMat	Ln,w 59
8mm Laminate (floating)	18	Nil	850 Density 3mm AcoustaMat	Ln,w 59
2mm Vinyl Plank Direct stick	20	1 part polyurethane	850 Density 3mm AcoustaMat	Ln,w 57
19mm Solid Timber/Plywood	16	1 part polyurethane	700 Density 5mm AcoustaMat	Ln,w 61
19mm Solid Timber/Plywood	18	1 part polyurethane	600 Density 15mm AcoustaMat	Ln,w 58
14mm Engineered Timber Direct stick	18	1 part polyurethane	700 Density 5mm AcoustaMat	Ln,w 59
14mm Engineered Timber Direct stick	16	1 part polyurethane	720 Density 3mm AcoustaMat	Ln,w 61
14mm Engineered Timber Direct stick	16	1 part polyurethane	850 Density 3mm AcoustaMat	Ln,w 61
14mm Engineered Timber Direct stick	17	Acrylic Polymer	850 Density 3mm AcoustaMat	Ln,w 61
2mm Sheet Vinyl over Dual Bond Masonite	22	Nil	850 Density 3mm AcoustaMat	Ln,w 55
Ceramic Tile Direct stick	13	Tile Adhesive	720 Density 5mm AcoustaMat	Ln,w 62
Ceramic Tile Direct stick	14	Tile Adhesive	700 Density 6mm AcoustaMat	Ln,w 62
Ceramic Tile Over 20mm screed bed	18	Tile Adhesive	720 Density 5mm AcoustaMat	Ln,w 59
Ceramic Tile Over 20mm screed bed	17	Tile Adhesive	700 Density 5mm AcoustaMat	Ln,w 60
Ceramic Tile Direct stick	13	Tile Adhesive	850 Density 3mm AcoustaMat	Ln,w 61
Ceramic Tile Direct stick	14	Tile Adhesive	700 Density 5mm AcoustaMat	Ln,w 59
Ceramic Tile Direct stick	18	Tile Adhesive	850 Density 10mm AcoustaMat	Ln,w 60

* CSIRO Test Report No. INR 157 & INR 163 can be made available to Specifiers/Architects & Acoustic Engineers upon request.

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