



Acoustic underlay for use under carpets, vinyls, ceramics, timber and more

Acoustic Densities

AcoustaMat is available in 4 different densities, which provide various levels of stability and performance under different top surfaces.

<p>Available in: 5, 10mm</p> <h1>600</h1>	<p>Available in: 5mm</p> <h1>700</h1>	<p>Available in: 3, 4, 5, 10mm</p> <h1>850</h1>	<p>Available in: 3mm</p> <h1>960</h1>
<p>The lowest density providing the softest surface. This density is only suitable for use under rigid top surfaces.</p>	<p>An intermediate density, suitable for use under rigid top surfaces and ceramics with a screed bed.</p>	<p>A firmer density, offering effective results at minimum thickness, allowing for low build heights. The firmness of this density allows for use under some impressionable top surfaces.</p>	<p>The firmest density, specifically for use under vinyl.</p>

Acoustic Applications

The table below illustrates which densities are appropriate for use under different top surfaces. AcoustaMat may be used in conjunction with underfloor heating.

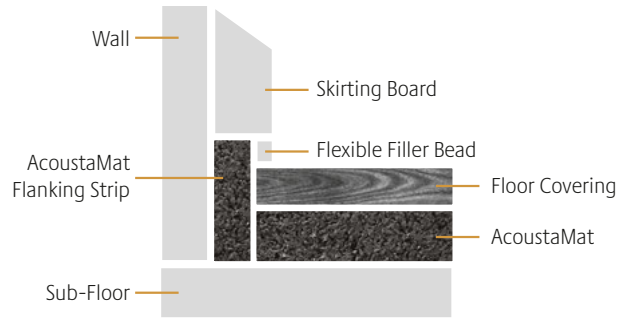
TOP FLOOR	600	700	850	960
Solid Timber Over Plywood	●	●	●	
Engineered Timber Floating	●	●	●	
Engineered Timber Direct Stick	●	●	●	
Laminate Floating	●	●	●	
Laminate Direct Stick	●	●	●	
Vinyl Plank Floating*			●	
Vinyl Plank Direct Stick*			●	●
Vinyl Sheet Direct Stick*				●
Ceramic Over Screed		●		
Ceramic Direct Stick			●	
Carpet Over Carpet Underlay	●	●	●	●
Carpet Tiles Direct Stick			●	

* Minimum thickness required for top surface. Refer to data sheets for more information.

Acoustic Flanking Strip

AcoustaMat™ flanking strips are essential in installations where acoustic underlay has been used. Without flanking strips, floor coverings will butt up to the wall or skirting board and surface vibrations created on the floor will travel through these hard surfaces and into other rooms via the structure.

We recommend flanking strips be sandwiched between the wall and floor covering, overhanging the top of the floor covering by 5mm to be covered by skirting boards and silicon beading. Flanking strips can be cut to suit from the roll material and used for this application.



Acoustic Testing

CSIRO

Some common application test results, conducted by the CSIRO. Please contact us for more specific testing results and information.

Engineered Floating Timber Floor & AcoustaMat 850 3mm On 150mm Concrete Slab

Achieved a (db) reduction ΔL_w 18.
System achieved L_n, w 59, exceeding NCC by 3

Laminated Floating Flooring & AcoustaMat 850 3mm On 150mm Concrete Slab

Achieved a (db) reduction ΔL_w 18.
System achieved L_n, w 59, exceeding NCC by 3

Ceramic Flooring Over Screed Bed & AcoustaMat 700 5mm On 150mm Concrete Slab

Achieved a (db) reduction ΔL_w 18.
System achieved L_n, w 59, exceeding NCC by 3

Carpet Over Carpet Underlay & AcoustaMat 850 3mm On 150mm Concrete Slab

Achieved a (db) reduction ΔL_w 43.
System achieved L_n, w 31, exceeding NCC by 31

Carpet Tiles Direct Stick & AcoustaMat 850 3mm On 150mm Concrete Slab

Achieved a (db) reduction ΔL_w 30.
System achieved L_n, w 47, exceeding NCC by 15

5mm Vinyl Plank Floating Flooring & AcoustaMat 850 3mm On 150mm Concrete Slab

Achieved a (db) reduction ΔL_w 20.
System achieved L_n, w 56, exceeding NCC by 6

Site Tests: Star Rated

Real world installations with high star ratings using AcoustaMat.



Peninsula Drive Apartments Breakfast Point, NSW

Ceramic over 3mm Acoustamat
System achieved L_n, w 45
Achieved a 5 star rating



Watermark Residences Gold Coast, QLD

Timber over 3mm Acoustamat
System achieved L_n, w 44
Achieved a 6 star rating



Parkland Boulevard Apartments Brisbane, QLD

Vinyl plank over 3mm Acoustamat
System achieved L_n, w 43
Achieved a 6 star rating

Acoustic Materials

Recycled Tyre Rubber

Rubber is an excellent material for noise reduction and vibration control due to its high density, regular consistency and elasticity. These physical characteristics aid in reducing sound transfer by evenly absorbing sound across the material.

Re-Grind Rubber

Re-grind rubber is the result of re-shredding and recycling our rubber products and manufacturing off-cuts. By using re-grind rubber in AcoustaMat we are ensuring no rubber ever goes to waste from our manufacturing plant, a key contributing factor to our sustainability and environmental commitment.

Circular Sustainability

The high recycled content used in our products ensure our products and manufacturing processes have low environmental consequences, particularly in raw material extraction and depletion.

In addition to upcycling waste tyre rubber, A1 Rubber also implements a real return policy, accepting pre-installed rubber flooring and re-shredding it to be used in rubber underlays, creating a perpetual cycle of upcycled rubber.



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