



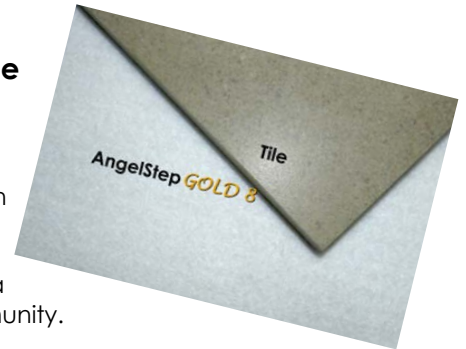
## AngelStep® **GOLD 8** - AAAC 6 Star Rating

### Today's new standard for Acoustic Flooring Underlays

Apartment dwellers have long complained about *impact* noise intrusion due to footsteps and clatter of utensils and articles dropped on to the floor in apartments overhead. In addition to this impact noise, many occupants have also endured excessive *airborne* noise transmitted from powerful TV and audio systems.

#### Owners and occupants are concerned with the acoustic performance of apartments built to BCA minimum standards

In response to the concerns of apartment occupiers with the 2005 Building Code of Australia (BCA) minimum acceptable noise transmission standards, the Australian Association of Acoustic Consultants (AAAC) produced a Star rating system to fulfil a need identified by the community.



#### AAAC 6 Star acoustic rating system developed to address the noise concerns of building occupants

The intent of the AAAC rating system was to encourage consistency between the apparent quality of apartment and townhouse design and the acoustical quality. The result was a rating system of between 2 to 6 Stars.

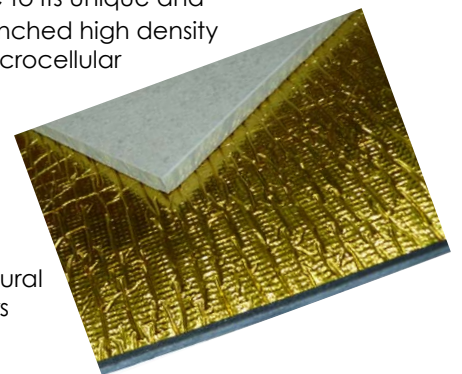
#### Now there is a new Gold Standard - AngelStep® **GOLD 8** - The ultimate AAAC 6 Star Performer

AngelStep® **GOLD 8** resets the bar for the acoustic performance of flooring underlay. Field tests have achieved the ultimate 6 Star rating – streets ahead of the BCA minimum (BCA minimum standard for impact noise equates to midway between AAAC 2 and 3 Stars out of possible 6 Stars).

#### Unique Construction

The unrivalled performance of AngelStep® **GOLD 8** is due to its unique and patented construction -- a laminate of double needle punched high density sound absorbent polyester and a resilient "cross linked" microcellular foam to form an 8 mm thick.

Available in sheets 1150mm x 1150mm.



#### Benefits - *Noise overhead... all quiet below*

- ✓ **Enduring performance**  
No degradation of acoustic properties due to structural collapse under the weight of heavy furniture, castors and appliances.
- ✓ **Universal Underlay - "One size fits all"**  
Unlike competitive underlays AngelStep® **GOLD 8** has been engineered as a universal underlay to deliver optimum acoustic performance according to the flooring type. Select installation option – of polyester side facing up/down or foil moisture barrier side facing up/down depending on end result required (suggestions over page).

## Features

AngelStep® GOLD 8 is water resistant and will last the life of the building.

- ✓ Suitable to combine with floor heating systems
- ✓ Excellent Thermal insulation
- ✓ Castor resistant
- ✓ Guaranteed for the life of the building

AngelStep® GOLD 8 combines the following:

- ✓ Vapour barrier
- ✓ High sound and impact energy absorption
- ✓ Water and most chemical resistance
- ✓ Low Volatile Organic Compounds (VOC's)

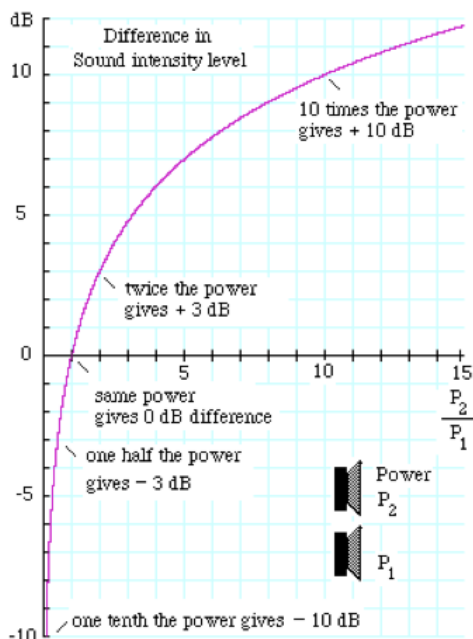
AngelStep® GOLD 8 was initially designed for use in prestige apartments and townhouses, upmarket housing and professional office and consulting suites where discerning buyers expect performance beyond that mandated by the minimum requirements of the BCA.

Today, as occupier expectations for mitigating noise transmission have moved ahead of regulations, AngelStep® GOLD 8 has found favour in the mainstream market due to the modest additional cost to achieve premium performance and peace of mind of building residents **(To the human ear a 3db difference means either a doubling or halving of the perceived noise level. See graph below.)**

AngelStep® GOLD 8 is ideal for retrofitting in existing apartments where new flooring systems are being installed and where the Body Corporate has to be absolutely assured of performance.

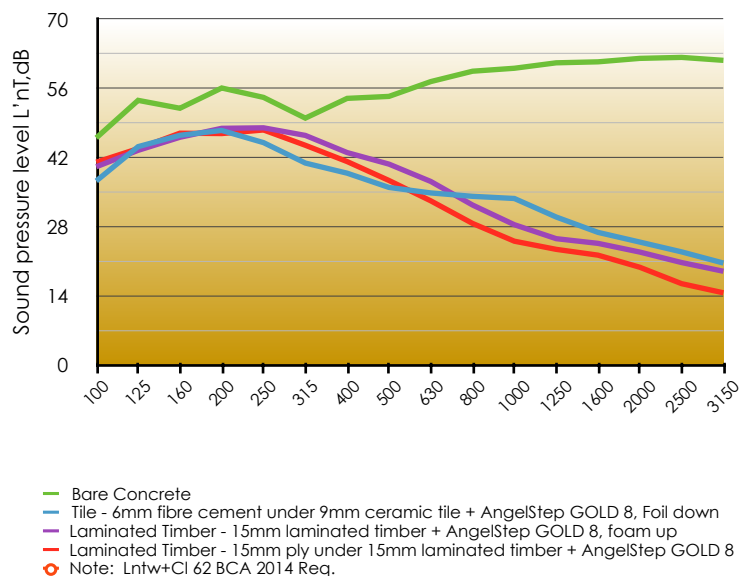
In summary, AngelStep® GOLD 8 should be used by all those who value their or their customers privacy and consider that silence is indeed **GOLDEN**.

### What a difference a decibel makes!



### Test Results

Tapping Test between 2 units in Kirribilli



Frequency f (Hz)	Test 1 dB Results	Test 2 dB Results	Test 3 dB Results	Test 4 dB Results
	Ln 68	L'ntw+(Cl) 37 (+1)	L'ntw+(Cl) 36+1 (0)	L'ntw+(Cl) 38 (0)

#### \*NOTE:

The data listed in this document are based on tests conducted by independent Acoustic Engineers - Praxis Acoustics and West & Associates. Tests are indicative only and materials should be tested under actual service to determine their suitability for a particular purpose. Specifications are subject to change without notice. Full test reports available upon request.

### Recommended Installation \*\*

Gold Foil Up:

- ➔ Solid timber
- ➔ Engineered (Laminated) Timber
- ➔ Bamboo
- ➔ Veneer
- ➔ Carpet

Gold Foil Down:

- ➔ Parquetry
- ➔ Ceramic Tile
- ➔ Vinyl
- ➔ Cork

➔ Install sheets with arrow pointing in the same direction

\*\* Consult with Acoustica if in doubt