



QUIETWAVE® DRYWALL NOISE BARRIER

QuietWave® is a high performance drywall noise barrier that delivers exceptional performance due to its patented constrained layer membrane.

Acoustica's QuietWall® system incorporating QuietWave® delivers six star acoustic performance, a class above the BCA requirements, from the thinnest possible wall.

- Exceeds BCA minimum requirements for airborne sound insulation for a wall between attached dwellings
- Meets the highest possible AAAC acoustic rating of 6 stars
- Rw62 and Rw + Ctr = 55 dB
- With the thinnest possible wall section of 148 mm
- Most economic 6 star rating wall system available

The building code of Australia (BCA 2004) acoustic requirements introduced new and more onerous acoustic standards of Rw + Ctr = 50 dB for party walls between apartments, townhouses and other attached dwellings. Acoustica's QuietWave® wall system not only meets the minimum requirements of the new BCA code (equivalent to AAAC 5 star rating) but is a class ahead at AAAC 6 stars.

Acoustica's QuietWave® wall system comprises:

- One 13 mm thick plasterboard
- One 1.2 mm thick QuietWave® visco-elastic membrane
- One 13 mm thick plasterboard
- 64 mm staggered studs in a 92mm track
- 50 mm thick insulation
- One 13 mm thick plasterboard
- One 1.2 mm thick QuietWave® visco-elastic membrane
- One 13 mm thick plasterboard



Acoustica's QuietWave® flexible visco-elastic membrane consists of a patented constrained layer membrane, combined with vibration damping material 'floating' elements. At just 1.2 mm thick it is easily handled and can be installed by just one person.

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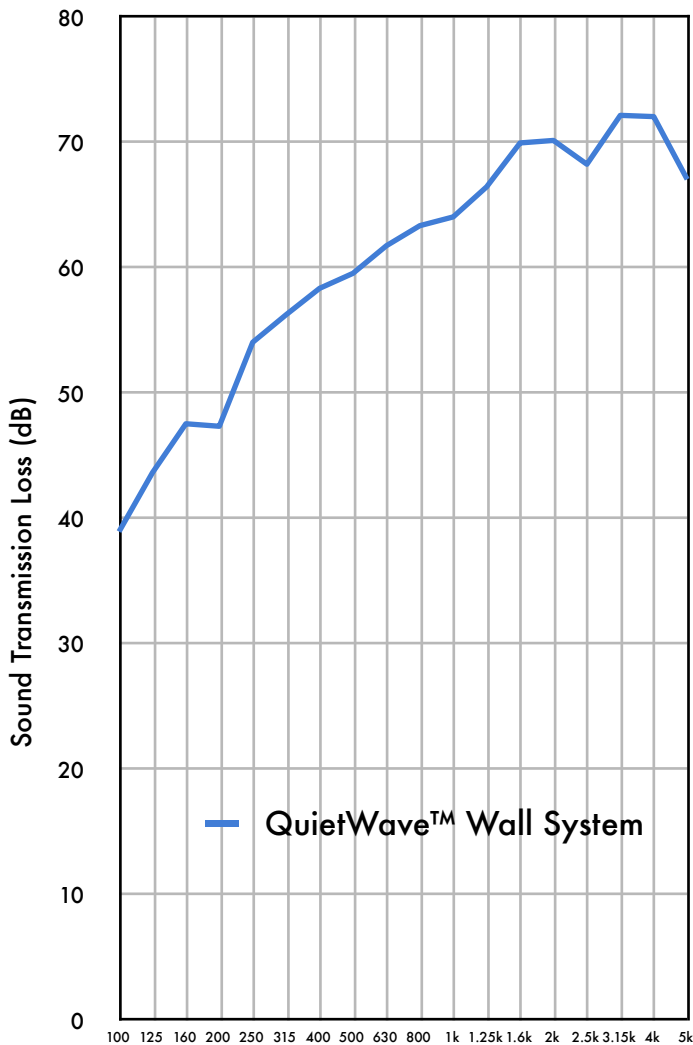
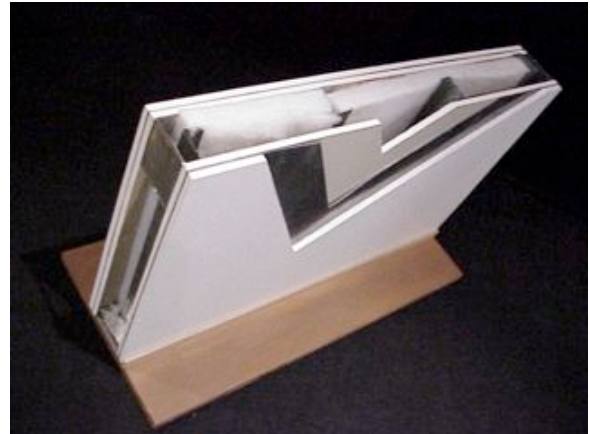
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The QuietWave® flexible visco-elastic membrane can be penetrated without any degradation in performance. The finished wall system has a solid feel and when impacted upon, sound resonates similar to a masonry wall.

QuietWave® increases the low frequency performance of the wall system to counter noise from entertainment sources such as home theatres and any other electronic entertainment noise.

QuietWave® also controls the large coincidence dip in the upper-mid frequency region of 2500 - 4000 Hz, which typically occurs in plasterboard walls.

Acoustica's QuietWave® wall system provides the best acoustic performance with the thinnest possible wall section.



1/3 Octave Band Frequency Centre (Hz)

QuietWave® wall system provides a saving of 50% in the width of the wall against a comparable 6 star rated wall system. Gain 1 m² of floor-space for every 6.6 m length of wall, or reduce the overall footprint of the apartment block

- Save money with the industry's lowest cost 6 star rated wall system
- Step up a class with the highest performance AAC rating at a cost



acoustica®

the quiet Australian