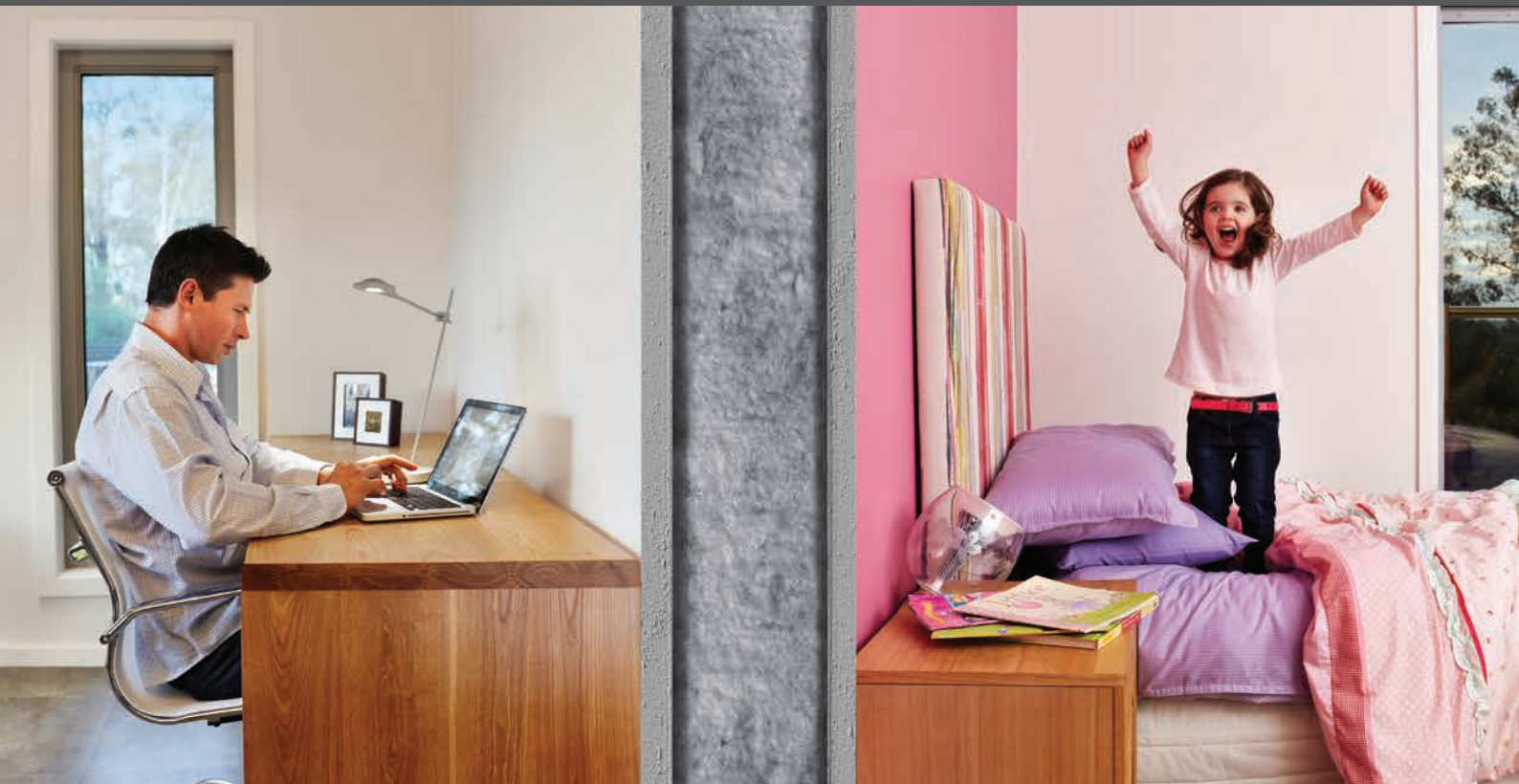


Keep noise in its place

Premium high density acoustic insulation



Reduce noise to an acceptable level



Create quiet zones inside your home



Reduce noise between mid-floors



Keep noise contained within rooms

SoundScreen dramatically reduces unwanted noise transfer through walls and between floors to create peace and quiet

Doctors and psychologists agree that noise has the ability to raise stress, disrupt sleep and generally reduce your quality of life. There are a lot of reasons for the growing problem of noise pollution.

Acoustic insulation is typically installed in a wall cavity or between a first floor ceiling and second storey floor at the time of construction. Therefore, if you are renovating, adding an extension or building a new house – you should consider SoundScreen in the following applications to help localise noise and limit disruption to adjoining rooms:

- Home theatres
- Study or parents' retreats
- Bathrooms/ensuites
- Laundries
- Nursery/kids' rooms
- Mid-floors



KEEP NOISE IN ITS PLACE WITHIN YOUR HOME

Sometimes the worst noise comes from within. Home theatres, excited teenagers and even ensuites can produce noise you would rather not hear around your home.

Including SoundScreen in interior walls can greatly reduce the transmission of noise between rooms allowing you to get the peace and quiet you deserve without cramping the rest of the family's style.

A wall system including SoundScreen can absorb enough sound power to effectively reduce noise to an acceptable level.

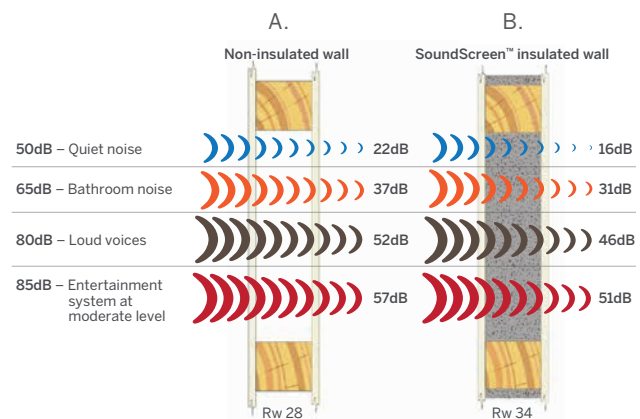
SoundScreen is available in thicknesses to suit 70mm and 90mm timber stud sizes. The adjacent diagram shows the reductions that can be achieved using R2.0 SoundScreen in a 90mm stud wall.

To achieve even greater reductions, increase SoundScreen to R2.5, replace the plasterboard with an acoustic plasterboard and install resilient mounts (option C). This will improve the performance to 55Rw.

THE SCIENCE OF SOUND

Sound power is measured in decibels (dB) on a logarithmic scale which means that a 3dB reduction is actually a 50% decrease in sound power. A measure called Weighted Sound Reduction Index (Rw) has been developed to measure the effectiveness of noise reduction in different types of construction.

The higher the Rw value, the more noise is absorbed and the quieter your home will be. An increase of one Rw unit is approximately equal to a reduction of one decibel of noise level.



	A.	B.	C.
CSR 2009			
Stud size	90mm timber studs	90mm timber studs	90mm timber studs
Insulation	Nil	SoundScreen R2.0	SoundScreen R2.5
Plasterboard	10mm Gyprock Plus Plasterboard	10mm Gyprock Plus Plasterboard	13mm Gyprock Soundchek Plasterboard
Resilient mount	Nil	Nil	Resilient mount
Sound insulation performance Rw	28	34	55

Source: Option A and B Gyprock Redbook™. Option C Gyprock acoustic predictor.



STOPPING NOISE ENTERING YOUR HOME

When you come home and close the door you want your home to be a place you and your family can relax without being disturbed by the noise of the world outside. If you live in a particularly noisy area for example a major highway or under a flight path, using R3.1 SoundScreen in the ceiling will help reduce noise entering the home.

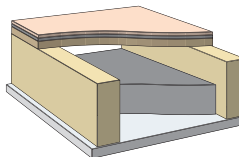
Australian Standards recommend a level of less than 40 decibels of external sound entering living rooms, and less than 35 decibels entering bedrooms. These levels will allow you to comfortably carry on a conversation, listen to TV at a low volume, and sleep soundly.



MID-FLOORS

One area often forgotten for sound insulation is between the floors of your home. Airborne noise can travel from the rumpus room to the nursery above or from the kids' bedrooms to the study below. Structural noise of people thumping around on the upstairs floors can be a real annoyance.

SoundScreen included in the mid-floor of a two storey home can effectively absorb the airborne elements of the noise. While the inclusion of 'isolating resilient mounts' in the ceiling system will greatly reduce the transmission of impact noise. For an even better performance upgrade to an acoustic plasterboard such as SoundChek and install using resilient mounts.

		A.	B.	C.
CSR 6001 Option B. 	Carpet on particle flooring on minimum 190mm cavity depth at 600mm centres	Standard	SoundScreen	SoundScreen and Acoustic Plasterboard
	Insulation	Nil	SoundScreen R2.0	SoundScreen R2.0
	Plasterboard	10mm Supaceil plasterboard	10mm Supaceil plasterboard	10mm Gyprock Soundchek
	Resilient mount	Nil	Nil	Yes
	Sound insulation performance Rw	37	40	55
	Sound impact performance LnTw	65-70	60-65	50-55

Source: Option C is Redbook system CSR 6204, minimum cavity depth of 205mm.



Keep noise in its place

BREATHE EASY

Bradford is the only approved insulation partner of the National Asthma Council Australia's Sensitive Choice® program. SoundScreen is suitable for use in the homes of people with asthma and allergies.

PERFORMANCE YOU CAN TRUST

Bradford SoundScreen insulation is manufactured under ISO 9002 Quality Systems and complies with AS4859.1 'Materials for the Thermal Insulation of Buildings'.* Bradford SoundScreen is non-combustible when tested to AS1530 part 1.

Established in 1934, Bradford is Australia's most experienced domestic insulation company. This experience, combined with our world class manufacturing technology, is your guarantee of quality and performance, all backed by CSR, Australia's leading building materials company.

Bradford SoundScreen is backed by a 70 year product performance warranty.

*Bradford SoundScreen insulation is independently certified to comply with AS/NZS 4859-1 by Global-Mark



THE SOUNDSCREEN PRODUCT RANGE

R-VALUE (m ² K/W)	THICKNESS (mm)	STANDARD SIZE (mm)	PIECES PER PACK	m ² PER PACK	COVERAGE m ² PER PACK	MULTI PACK	PRODUCT CODE
WALL BATTS							
R1.7	60	1160 x 430	11	5.5	6.2	6	182288
R1.7	60	1160 x 580	11	7.4	8.4	6	182289
R2.0	70	1160 x 430	9	4.5	5.1	6	182312
R2.0	70	1160 x 580	9	6.1	6.8	6	182313
R2.5	88	1160 x 430	7	3.5	3.9	6	182287
R2.5	88	1160 x 580	7	4.7	5.3	6	182286
R3.1	110	1160 x 430	6	3.0	3.4	6	182314
R3.1	110	1160 x 580	6	4.0	4.5	6	182315
STEEL FRAME WALL BATTS							
R1.7*	60	1200 x 450	11	5.9	5.9	6	182290
R1.7*	60	1200 x 600	11	7.9	7.9	6	182689
R2.0*	70	1200 x 600	9	6.5	6.5	6	182285

*Suitable for use with metal frame construction.

For more information call **1300 850 305** or visit soundscreen.com.au



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