


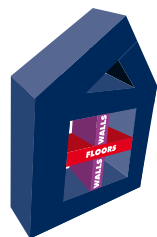




-  **Comfort**  
→ Increase comfort levels
-  **Save**  
→ Save on energy bills  
→ Pays for itself in as little as 3-4 years
-  **Health**  
→ Provide a healthier household environment
-  **Efficient**  
→ Lower energy consumption
-  **Environmental**  
→ Reduce greenhouse gas emissions



→ Save energy → Save money  
→ Save the environment



For more information contact:  
**sales@insulation.com.au 1300 300 249**  
or for further technical details on product,  
refer to the appropriate data sheets,  
available at [www.ecopink.com.au](http://www.ecopink.com.au)

Available from:



YPA/8060/MAY07

SoundStop is a registered trademark of Boral Australia Gypsum Ltd.

Fletcher Insulation, 161 Arthur Street,  
Homebush, NSW 2140, Australia ABN 72 001 175 355

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# PINK BATTS® ACOUSTIC INSULATION

A SOUND INVESTMENT

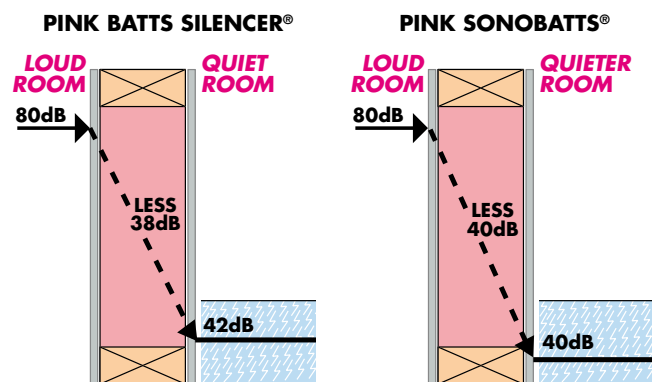


## RATING NOISE REDUCTION BETWEEN ROOMS

The building industry uses a "Sound Reduction Index" or Rw, to measure the effectiveness of wall and floor acoustic insulation systems in reducing the transfer of noise. Basically, an Rw is the difference in the level of airborne sound measured in decibels (dB) from one side of a wall, floor or ceiling to the other. The higher the Rw, the less noise you'll hear from upstairs, downstairs or the next room. An un-insulated stud wall with standard core plasterboard has an Rw of 33, while the same wall insulated by Pink Batts Silencer® has an Rw of 38. Further, the same wall insulated with Pink SonoBatts® and 10mm Boral SoundStop™ plasterboard has an Rw of 40.

TYPICAL SOUND LEVEL	NUISANCE NOISES DECIBELS (dB)
Vacuum cleaner	84-89
Hairdryer	80-95
Small Radio/TV	75-85
Raised Voice	70-80
Computer Games	68-76

(Normal conversation is 55-65dB)

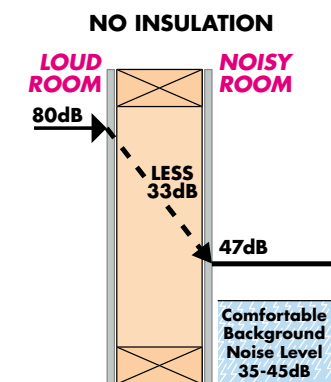


Wall Rating: **Rw38**

Pink Batts Silencer acoustic insulation: 70mm timber studs, 10mm standard core plasterboard

Wall Rating: **Rw40**

Pink SonoBatts acoustic insulation: 70mm timber studs, 10mm Boral SoundStop plasterboard on both sides



Wall Rating: **Rw33**

Typical studwall: 70mm timber studs, 10mm standard core plasterboard

Sound levels are measured in decibels (dB). Pink Batts® Silencer® and Pink SonoBatts® will help reduce nuisance noises to a background noise level of 35-45dB.



# SAVE YOUR SANITY



## WHEN SHOULD I INSTALL PINK BATTS ACOUSTIC INSULATION?

*Pink Batts* acoustic insulation is usually installed behind wall lining, between floors and above ceiling linings. Whether you're building a new home or extension, the time to install *Pink Batts* acoustic insulation between floors or internal stud walls is during construction.

**Therefore, it's important that you make the decision to have noise control insulation installed well in advance of your builder starting work.** (The only instance where *Pink Batts* acoustic insulation can be installed after construction is completed, is in homes that have access to the ceiling space).

## WHICH PINK BATTS ACOUSTIC INSULATION DO I NEED?

The chart below shows which size *Pink Batts Silencer* or *Pink SonoBatts* to use for the various applications in your new home or extension.

The ceiling and upper floor joist or wall stud spacings in your new home or extension will determine which batt width you'll need.

It's a simple matter of choosing the right batt width and knowing how many squares or square metres of ceilings, floors or internal walls you need to insulate.



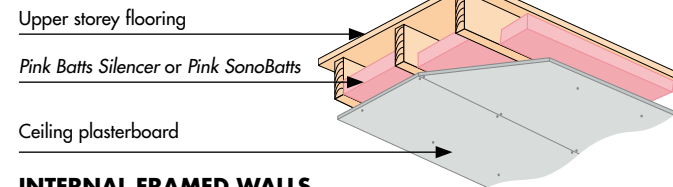
### PINK BATTS SILENCER®

*Pink Batts Silencer* delivers excellent acoustic performance for commercial and domestic applications. They are ideal for insulation in metal and timber stud wall systems, and as infill between floors and ceilings. Typical applications include ceilings and partitions in dwellings, schools, churches, shopping centres, factories and offices where the available range of sizes, up to 2700mm, enable extremely cost effective installations with a minimum of cutting.

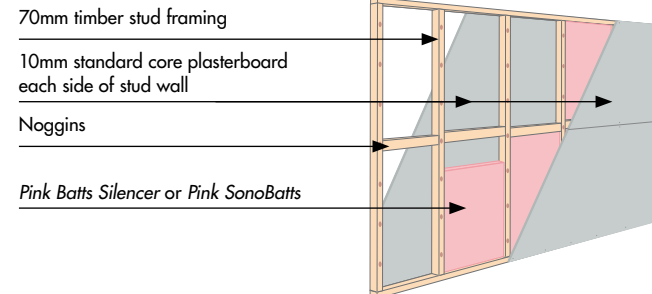
### PINK SONOBATTS®

The ultimate cavity infill batt for room-to-room noise control is *Pink SonoBatts* installed in ceilings, between floors and internal stud walls. Part of the *Pink Batts* Insulation System of quality insulation products, *Pink SonoBatts* minimise airborne sound transmission using standard construction methods and timber sizes and provide performance that is equivalent to rockwool products across the frequency range.

### CEILING & BETWEEN FLOORS



### INTERNAL FRAMED WALLS



Application	Stud Depth (mm)	Stud/Joist Spacing (mm)	R-Value	Batt Size (mm) LxWxD (nom.)	Batts per pack	Coverage* per pack (m <sup>2</sup> )
<b>PINK BATTS SILENCER</b>						
Internal walls	70	450	R1.3	1160 x 430 x 50	16	9.2
Internal walls	70	600	R1.3	1200 x 600 x 50	16	12.2
Internal walls	90	450	R1.7	1160 x 430 x 70	10	5.6
Internal walls	90	600	R1.7	1200 x 600 x 70	10	8.2
Upper floors	Varies	450	R2.1	1160 x 430 x 90	8	4.5
Upper floors	Varies	600	R2.1	1200 x 600 x 90	8	6.5
Ceilings	Varies	450	R2.1	1160 x 430 x 90	8	4.5
Ceilings	Varies	600	R2.1	1200 x 600 x 90	8	6.5

Application	Stud Depth (mm)	Stud/Joist Spacing (mm)	R-Value	Batt Size (mm) LxWxD (nom.)	Batts per pack	Coverage* per pack (m <sup>2</sup> )
<b>PINK SONOBATTS</b>						
Internal walls	70	450	R1.8	1160 x 430 x 50	8	4.5
Internal walls	70	600	R1.8	1160 x 580 x 50	8	6.1
Internal walls	90	450	R2.1	1160 x 430 x 70	8	4.5
Internal walls	90	600	R2.1	1160 x 580 x 70	8	6.1
Upper floors	Varies	450	R2.7	1160 x 430 x 90	6	3.4
Upper floors	Varies	600	R2.7	1160 x 580 x 90	6	4.5
Ceilings	Varies	450	R2.7	1160 x 430 x 90	6	3.4
Ceilings	Varies	600	R2.7	1160 x 580 x 90	6	4.5

\*Coverage is an approximation allowing for framing materials.

### WHAT ELSE CAN I DO TO IMPROVE NOISE CONTROL?

No matter where you are, there is often nuisance noise, even in the countryside, on a totally still night, the ambient sound level is around 26dB. Before you start building, it's worth considering the following so that you take control over nuisance noise and enjoy a more comfortable home:

- Plan your home so that quiet zones such as bedrooms are located away from potential noisy rooms such as entertaining areas, laundries, etc
- Use hallways and wardrobes as acoustic buffers
- Where possible, use carpet as a floor covering and where this is not practical, lay rugs over tiled or timber floors, (especially upstairs)
- Have solid core doors installed, particularly for bedrooms
- Entertainment areas with powerful sound equipment may need special attention (contact Fletcher Insulation™ for further information)

Refer to the *Pink Batts QuietZone*® brochure for a total acoustic solution.

### PINK BATTS ACOUSTIC INSULATION DOES MORE THAN REDUCE NOISE TRANSFER

Manufactured from FBS-1 Bio-Soluble Glasswool, *Pink Batts Silencer* and *Pink SonoBatts* acoustic insulation also have the following benefits:

- Provides effective thermal insulation, not only allowing you to more effectively zone your home, but making it cooler in summer and warmer in winter
- Will last the life of your home
- Safe to use with allergy sufferers due to low VOC content
- Manufactured from up to 70% recycled glass
- No nutritional value, will not sustain vermin
- Save on energy bills
- Save on greenhouse gas emissions
- Save the environment