

*Keeping your shed comfortable
for work and play!*

ABOUT US

Foilboard is proudly an Australian family operated and owned business that has been locally manufacturing insulation products for over 30 years. Foilboard is passionate in providing quality and innovative insulation products whilst maintaining manufacturing here in Australia.

WHY HAVE FOILBOARD INSULATION IN YOUR SHED?

- ✓ Increase in Comfort = Increase in use.
- ✓ Foilboard can be easily retrofitted to an existing shed or installed into a new shed.
- ✓ Customers quote their shed being over 10 degrees cooler than the outside temperature.
- ✓ Use of reflective air spaces maintains a slimline finish in your project = Maximises your shed space.
- ✓ The effectiveness of our system lies in its ability to reduce heat gain by either reflecting heat away or holding warmth in your shed helping you to control your living environment.
- ✓ Foilboard won't deteriorate and provides a moisture barrier.
- ✓ Foilboard is a fire retardant product which meets AS/NZS 1530.3.
- ✓ Foilboard meets the requirements of both parts of the Australian Standard AS/NZS 4859:2018.

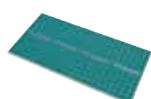
EASY SHED INSTALLATION PROCEDURE:

To achieve maximum thermal performance and to ensure a fast and simple installation of Foilboard® GREEN rigid insulation panel to a shed/garage wall and/or roof, we recommend that the Foilboard Panel be installed between the wall girts and to the underside of the roof battens/purlins following the method below:

STEPS:

1. Mark the measurements of your wall girts out on the Foilboard GREEN rigid insulation panel. Using straight edge and a sharp blade/knife, cut the rigid panel to size.
2. Use spacer blocks/off-cuts of Foilboard to maintain an airspace between the Foilboard and the wall metal sheeting to increase insulation performance.
3. Compression fit the Foilboard between the wall girts and fasten with a good quality silicone.
4. Fasten the insulation panel to the roof battens/purlins with Foilboard fasteners. We recommend using 3-4 fasteners on each purlin/batten that the Foilboard Panel passes (3-4 fasteners per 1200mm). Using either a hammer or drill as required.
5. Tape all penetrations, joints and gaps using Foilboard SILVER/GREEN tape, to minimise hot/cold air transfer.

RECOMMENDED PRODUCTS NEEDED:



Minimum of 20mm
Foilboard Insulation Panel
Product Code: FB021



Ultra Steel Fasteners
Product Code: FB045

OR



Ultra Timber Fasteners
Product Code: FB042



Silver Joining Tape
Product Code: FB062



Spacer Blocks
Product Code: FB071



WORK

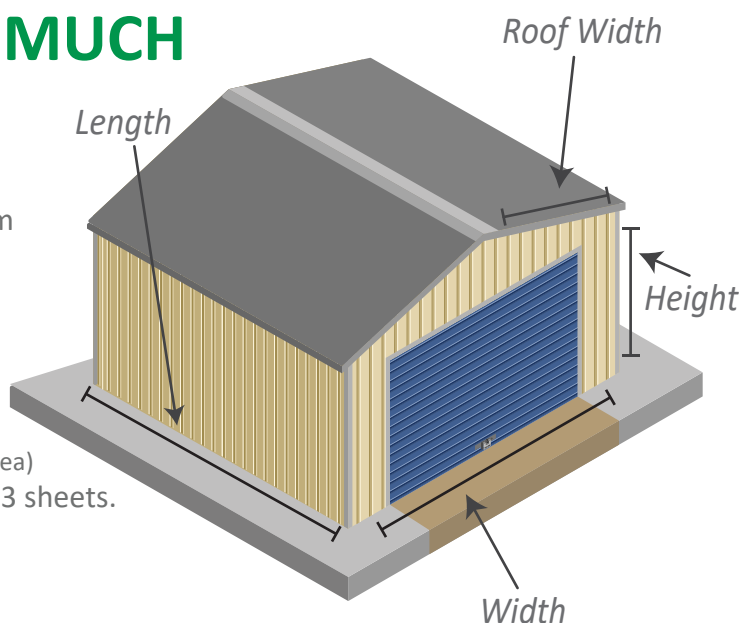
PLAY

HOW TO CALCULATE HOW MUCH PRODUCT YOU NEED?

- Wall Size - ((Length x Height) + (Width x Height)) x 2
Example. 6m x 8m shed with standard wall height of 3m
= ((8m x 3m) + (6m x 3m)) x 2 = 84 m²
- Roof Size – (Roof Width x Length) x 2
Example: (2.5m Roof Width x Length 8m) x 2 = 40 m²

Total Wall & Roof Area = 124 m²

(Please remember to exclude Windows & Doors from the measured area)
Foilboard Sheets Required = 124 m² divided by 2.88m² = 43 sheets.
We recommend ordering additional sheets for wastage,
therefore 45-48 Sheets of Foilboard.



Each 15 sheets of Foilboard will require:

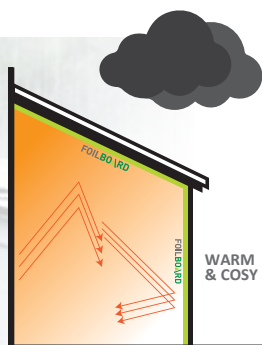
- 3 Rolls of Green/Silver Joining Tape
- 3 boxes of Ultra Steel Fasteners
- 3 packets of Spacer Blocks.

In our example you would require:

- 9 rolls of Green/Silver Joining Tape ,
- 9 boxes of Ultra Steel Fasteners
- 9 packets of Spacer Blocks



Stay warm in winter



IN WINTER
KEEPS HEAT IN
UP TO 8° WARMER*



IN SUMMER
KEEPS HEAT OUT
UP TO 12.5° COOLER*



Stay cool in summer

*These calculations are based on a typical shed insulation installation using Foilboard Insulation Panels.
Different styles of sheds, position of shed, installation methods and other factors may vary the results achieved.

FAQ's

Which side should be installed in/out?

Silver side installed in with Silver tape creates a great looking finish and a brighter workspace.

What thickness?

Foilboard recommend Green 20 (20mm) at a minimum. Foilboard comes in 25mm,30mm,40mm and 50mm thicknesses.

Do I need to finish each sheet on a roof purlin or fixing point? Won't this lead to waste?

When installing Foilboard with a minimum thickness of 20mm the sheets do not have to be joined on a purlin or top hat, providing that the spanning distance between the fastening points is around 1200mm, making installation quick and easy with minimum wastage.

My shed doesn't have sarking, do I need to remove my roof to install this before fixing Foilboard to the underside of the purlins?

Foilboard replaces the need for sarking and is a great retrofit option for sheds with or without sarking.

If I install Foilboard under my shed's metal roof will it reduce the condensation issue that I currently have?

Foilboard provides a resistance to heat flow therefore this means that one side of the Foilboard will be a different temperature to the other. The Foilboard is also closed cell which means condensation cannot form within the panel. This means it will be unlikely that the dew point will be reached reducing condensation.

How important is it to maintain a 'reflective air space' between the Foilboard and an exterior wall or roof?

Although Foilboard will provide insulation benefits without the reflective airspace, this airspace provides superior performance in your Foilboard insulation system. This airspace effectively gives you additional insulation qualities for free. By having the airspace, it will allow Foilboard to reflect 95% of the radiant heat (antiglare) to dramatically reduce the thermal transfer.

What does Fire Resistant (FR) mean?

FR is the acronym for Fire Retardant. There is a fire retardant in the Foilboard Insulation Panels, which means that the panels are self-extinguishing when exposed to flames. Foilboard sources polystyrene that is non HBCDD fire retardant that is being phased out across the world.

Can you paint Foilboard?

Foilboard can be painted, but as it is Aluminium it needs to be etch primed as a preparation coat to allow paint to adhere. Paint should be a water clean-up. Painting will affect the reflective surface and will change the way the insulation performs.

Can I line my shed after installing Foilboard?

Yes, you can line straight over the top of the Foilboard Insulation Panel or if Foilboard has been installed between the wall girt, the lining would be fixed directly to the exposed wall girts.



FOILBOARD®
INSULATION SYSTEMS

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