



Superior Energy Efficiency  
has just become easier...

(...and our environment can breathe a sigh of relief)

**Architects, Building Owners and Builders take note:**  
Now, a single, revolutionary product provides superior draught sealing, energy efficiency - allowing greater design freedom...

**Sealection 500™ - spray foam insulation**

- Thermal Insulation - Energy savings as high as 40%
- Enhanced comfort + acoustic qualities
- Fibre free product - breathe easy
- Total draught seal system
- Reduced heating + cooling equipment use and system sizing





# SEALECTION™ 500

Spray Foam Insulation



## What is Sealection 500™?

Sealection 500™ is a revolutionary, open cell, semi-rigid spray-applied polyurethane foam insulation system which is made up of millions of microscopic cells that simultaneously insulates and provides an air-seal in wall, floor and ceiling cavities. Sealection 500™ is applied by a licensed Insulfoam Solutions professional as a liquid which expands into a foam, curing in just seconds.

Sealection 500™ has been specifically designed to make homes more energy efficient, comfortable, quiet and less dusty. Air leakage is minimised throughout the building envelope reducing energy loss. Additional benefits include: ease of installation, elimination of moisture problems and greater architectural design freedom.

Now just one product insulates, air-seals, attenuates sound, while providing superior thermal efficiency, energy savings and is eco-friendly.

## Steel Frame Construction:

As an expandable spray foam, Sealection 500™ is the easiest to install of all insulation materials and the most perfect fill for steel frame buildings. It helps to create a healthy environment. It reduces maintenance costs by eliminating air infiltrated moisture problems while dramatically lowering the size and operating costs of HVAC equipment. "Steel It, Foam It and Forget It"

## Insulate under timber floors:

In one simple application, Sealection 500™ seals and insulates under timber floors, providing a superior thermal insulation barrier. Don't lose another star rating through the floor! Minimum clearance required under the floor bearers is 450mm.



- Quiet
- Healthy
- Energy Efficient
- Long Lasting
- Water Blown
- Environmentally Friendly
- Complete Draught / Air Seal

## R - Value: The Real Story.

The greatest benefits of Sealection 500™ are in its thermal resistance performance and low air leakage.

Most traditional, factory made insulation materials suffer a reduction in actual performance due to poor installation leaving spaces or gaps between building materials and the insulation. As a result, the true insulating value (R-value) of a wall, ceiling or floor may be reduced. By contrast, the insulation value of a wall, ceiling or floor containing custom installed Sealection 500™ performs as close to the laboratory tested R-value of the material possible, plus the added benefit of sealing a cavity from air filtration as well.

Sealection 500™ is custom installed and expands after spraying, completely filling any cavity to form a continuous air barrier by adhering to building materials. These superior performance characteristics are difficult to achieve with batts, boards and blown fibre / wool insulation. Think about it: every gap or void left between building components with normal insulation has a R-value of nearly zero. That's not a problem with a house insulated with Sealection 500™ - for maximum insulation performance and thermal efficiency, noise reduction and a complete draught / air seal. Simply, Sealection 500™ rates - While dramatically reducing energy cost, year after year.



## Benefits

**Thermal Insulation + Air Barrier:**  
Sealection 500™ seals and insulates in one application. As well as a superior thermal insulation R-value, Sealection 500™ completely fills any cavity and forms a continuous air barrier by adhering to all building materials it comes into contact with. Air leakage in a building can contribute up to 25% of household energy bills.

**Long Lasting:**  
Once installed, Sealection 500™ does not shrink, settle or disintegrate. Unlike most conventional insulation materials, it maintains its efficiency with no loss of R-Value over the life of the building. Most importantly, it does not cause corrosion or rusting of steel buildings.

**Noise Reduction:**  
Sealection 500™ is an effective barrier to airborne sound. It's superior fit makes it an ideal noise reduction system, reducing airborne sound transfer through roof, floor and walls including home theatres. Outside noise such as road traffic, planes, and trains stay outside.

**Architectural Freedom:**  
By filling every crevice, Sealection 500™ offers greater architectural freedom in building design. It solves insulation, sound and air infiltrated moisture problems in buildings, while offering solutions for complex insulation applications for residential, industrial and commercial projects especially important for steel framed buildings.

**Indoor Air Quality:**  
Sealection 500™ seals the building envelope against airborne pollutants. By sealing out dust, allergens, odours and pollutants, Sealection 500™ allows the air management system to be designed so that the indoor air quality is healthier than the outside air. A Sealection 500™ insulated environment is highly recommended for those suffering from allergies, respiratory problems and chemical sensitivities.

**Return On Investment:**  
By reducing air leakage in a building to an absolute minimum & providing superior insulation qualities, the size and cost of heating and cooling equipment can be lowered. Energy savings can be reduced as high as 40% when compared with conventionally insulated buildings. High energy bills, could be a thing of the past!



## Testimonials

'We built a new home and insulated the walls, roofline and under the timber first floor with Sealection 500. The performance on hot days was incredible, the temperature outside was in the high 30c's and indoors it was about 18 - 20c. And this was *before* we installed the air-conditioning unit! We were able to downsize the unit and saved money on the purchase and now on running costs.'

*Andrew & Cindy from Eltham.*

'Since installing Sealection 500 to the underside of our timber floor, we have downsized our heating appliances from three units to one, The climate ambience difference is amazing! Our children now enjoy playing on the floor in bare feet. The cold and draughts are gone!'

*David & Paula from Woodend.*

## Technical Performance

**Thermal Properties:** at 90mm thick R value = 2.4

**Acoustic:** Can easily achieve BCA requirements for party walls in multi-residential construction.

**Fire Hazard Properties:** Testing in accordance with AS 1530.3 – 1999 satisfies BCA requirements for all regulatory indices.

**Environmentally Friendly:** Sealection 500 has  
No CFC's or HCFC's – 100% water blown  
No Formaldehyde  
No Toxic Vapors  
No Fibres  
No Food source for rodents  
And is:  
NOT Corrosive.

 **SEALECTION™500**  
Spray Foam Insulation

 **insulfoam**  
solutions |

**For more technical information visit our website.**

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