

THE ICYNENE INSULATION SYSTEM®

- ✓ Up to 50% more Energy Saving
- ✓ A Perfect Insulation AND Air Barrier in One Product
- ✓ A Clean, Dust-free, Healthy Environment
- ✓ No Mould build-up, better moisture control
- ✓ No Itchy, Sagging, Dusty Fibres
- ✓ No Air Leakage, Better Noise Control



Insulation like No Other!

The Icynene Insulation System is a soft, expanding foam thermal insulation **and** air barrier in one product. Because it is sprayed in place, it provides a custom fit every time, expanding around cavities and pipes, blocking leaking air, energy loss, dust, and noise.

Icynene sticks to any surface without the need for meshes, wires or plugs. It leaves no air pockets for moisture to condense. It is completely inert and does not affect any building materials. It can be used under roofs without sarking, walls without building wrap, and under floors without vapour barriers, stopping dampness filtering through to your feet.

Icynene works as well in real life installations as under laboratory testing. That means it will give your buildings decades of full quality insulation. Because it is water-based, there are no harmful chemicals and gases that can be associated with other insulations.

Call now for more information:

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Properties and Features

- **Complete insulation AND air barrier in one product (R 2.6 / 100mm)**
- Up to more 50% energy savings
- Significant reduction in a home's Carbon Footprint
- No air leakage; fills all gaps & holes
- Effective noise control barrier
- Requires no sarking or building wrap*
- Repels water, controls water vapour
- No mould or mildew growth
- Reduces Air Conditioning load & size
- Seals a house against dust, pollens
- No itchy, dusty, unhealthy fibres
- No 'cold floor' syndrome
- Sticks to any building surface
- Soft, light, & flexes with your building
- No sagging or collapse in walls, floors or roofs
- Effective for the life of your building!

* except in extremely humid, cold conditions, or where regulated



Energy Savings

With rising energy prices, it's no wonder that most homeowners are demanding energy efficient features. And, Icynene® is the most rewarding insulation option because it offers constant payback with ongoing energy savings. Icynene continues to work perfectly for the life of the building, paying back the owner on their investment.

As a complete insulation and air barrier, Icynene minimizes air leakage in the home, which allows for HVAC equipment 'rightsizing' so the owner can save on initial equipment costs and ongoing power costs. This can result in **savings of up to 50%** in energy costs versus conventional insulation.

The Appraisal Journal conducted studies that demonstrate the increasing value a home gains by becoming more energy efficient. Including energy efficient upgrades as part of your home improvements can increase the value of your home by approximately \$20 for every \$1 reduction in annual utility bills.

In Australia, Icynene has applied for CodeMark certification, giving confidence to builders, architects and homeowners that Icynene has been accepted nationwide to meet the specified requirements of the Building Code. In short, CodeMark certifies that Icynene works as well in real life as it does in the lab.



A Healthy Home

Icynene® insulation and air barrier system creates an airtight seal to **reduce random air leakage** through the walls and limit the penetration of outdoor allergens and pollutants.

Being 100% water-blown, Icynene improves the quality of the indoor air you breathe. As Icynene is an inert insulation, with no fibres, formaldehydes or other nasty chemicals, it is perfectly safe for people that have high sensitivities including children, the elderly, and the sick. This makes it ideal for child care centres, aged care homes, and hospitals.

Icynene is a vital component in a **moisture management** program. By significantly reducing air leakage (which can account for 99% of moisture migration), Icynene averts airborne moisture from entering the home so that **mould growth is less likely to occur**. Combined with proper mechanical ventilation, Icynene helps you keep the indoor relative humidity between 35% and 55% - a level at which the **growth of mildew, dust mites and other allergens can be minimized**.

Reducing excess moisture also helps to extend the life of the house and the systems within it.



Your Peace-of-Mind

Sleep deprivation, increased stress levels and your overall quality of life can be linked to unwanted noise in the home. Sound control measures begin with your choice of insulation.

Icynene®'s acoustic properties help **reduce noise levels** that originate from within a home (like home theaters and children's play areas) as well as those that originate from the external environment (such as street traffic or aircraft). Icynene®'s open cell structure will reduce noise passing through it while dampening vibrations on the structures it contacts with.

To ensure a home is a haven of peace and quiet, expect to minimize the transmission of sound by using Icynene to seal all openings such as cracks around door frames and electrical outlets.

Icynene is also ideal for minimizing noise originating from plumbing pipes within the walls. Tap water can cause the plumbing behind walls and above ceilings to vibrate, and transfer that sound into the structure of the house. Icynene is a flexible, open-celled material that when applied around these pipes will dampen the vibrations and reduce structure-borne noise.



ERA POLYMERS is the importer and distributor of The Icynene Insulation System®. Introduced into Australia in late 2007, Icynene has been prominent in North American for over 20 years. In that time it has risen to become the leading soft foam insulation in that market. Seen on lifestyle TV programs in Canada and the US, Icynene can now be viewed here, demonstrating the premium capabilities of this high grade insulation via the Australian cable network. **Call us on : 02 9666 3788 for more information.**