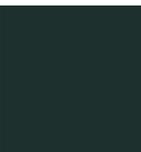




The Icynene Insulation System®



ERA POLYMERS PTY. LTD. is the importer and distributor of The Icynene Insulation System[®]. Introduced into Australia in late 2007, Icynene has been prominent in North America for over 20 years. In that time it has risen to become the leading soft foam insulation in that market.



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.

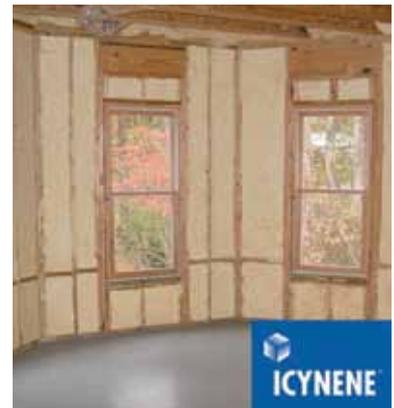
Icynene sticks to any surface without the need for meshes, wires or plugs. It leaves no air pockets for moisture to condense. It is completely inert and does not affect any building materials. It can be used under roofs without sarking, walls without building wrap, and under floors without vapour barriers,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

Properties and Features

- Complete insulation and air barrier in one product (R-2.6 / 100mm for LD-C-50)
- Up to 50% more energy savings
- Significant reduction in a home's Carbon Footprint
- No air leakage; fills all gaps and 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 and size
- Seals a house against dust and pollens
- No itchy, dusty, unhealthy fibres
- No 'cold floor' syndrome
- Sticks to any building surface
- Soft, light and 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



An airtight solution for energy-efficient design and construction

With double-digit percentage increases in energy costs, there's a growing sense of urgency for the building community to find a better approach to energy efficient buildings.

Expanding knowledge of the building envelope offers valuable clues to creating more energy-efficient buildings and happier building owners and occupants. There's no better place to capitalise on this knowledge than in our approach to R-value and insulation performance.

The building industry has grown comfortable with the concept that more insulation is better, along with higher R-value, but product options like The Icynene Insulation System[®] offer a better approach to energy efficiency.

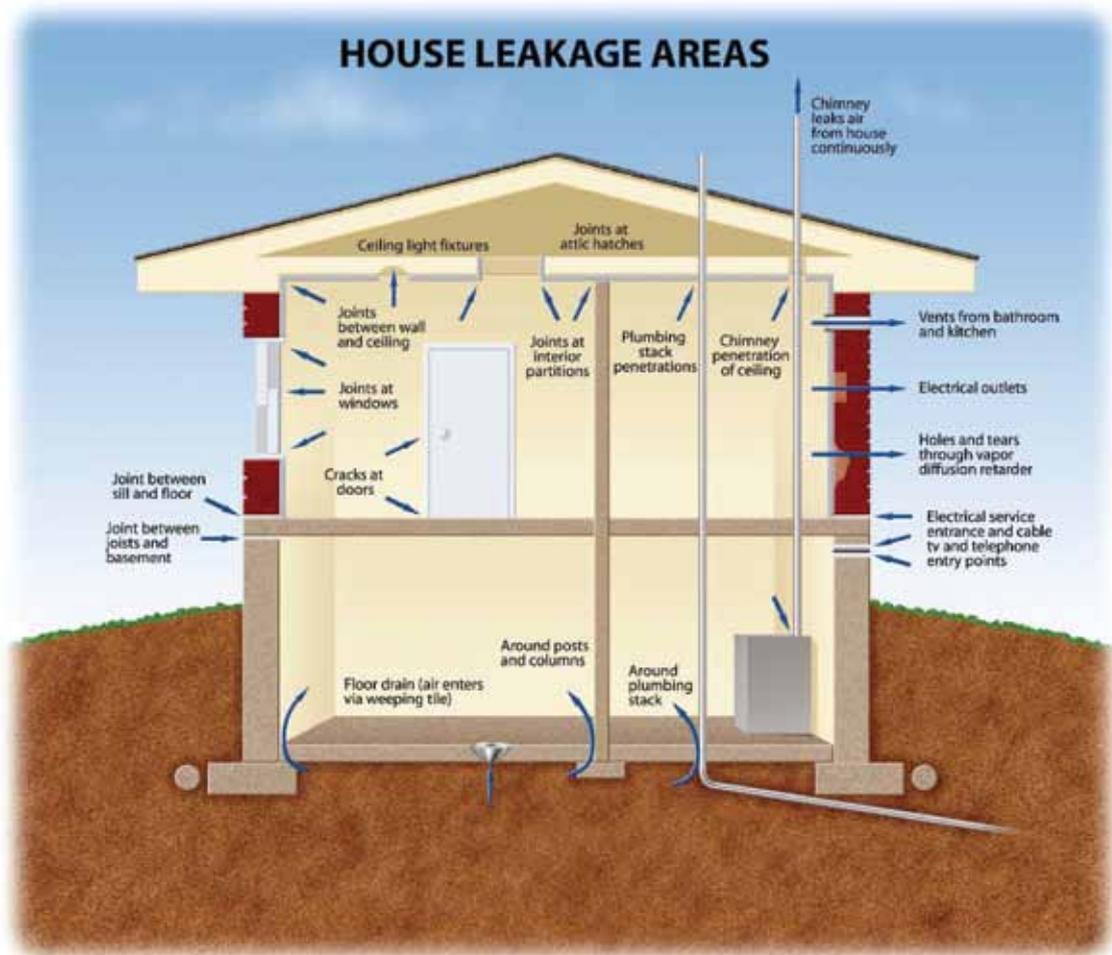
Consider:

R-value can't do a thing about air leakage

Higher R-value provides minimal and diminishing returns

R-value measures an insulation's ability to inhibit conductive heat flow, but can't do a thing about the primary method of heat transfer - air leakage (convection) - which causes up to 50% of building energy loss (U.S. Department of Energy's Oak Ridges Laboratory).

93% of conductive heat flow is stopped by R-2.29 insulation. Upgrading from R-2.29 insulation to R-5.64 insulation, for example, reduces conductive heat flow by only another four percent (Fourier's Law of Thermodynamics).





ICYNENE®

ICYNENE Snapshot



MORE ENERGY EFFICIENT

ICynene can save you up to 50% off your monthly energy bills.

How? It quickly expands when sprayed to form an air barrier against random air leakage.



HEALTHIER

ICynene is sprayed into walls, ceilings, floors and attics using water-blown technology. ICynene products do not use synthetic blowing agents, such as HFCs, or ozone-depleting substances.

ICynene helps improve indoor air by sealing out airborne moisture and pollution, including pollens and dust that can trigger allergies or asthma attacks.



QUIETER AND MORE COMFORTABLE

ICynene can help minimise sound that travels in air. Its sound insulating qualities are perfect for dampening unwanted sounds from plumbing, theatre rooms or street noise.

ICynene makes your home more comfortable by reducing air leaks, which can cause hot or cold spots and drafty areas.



MORE VERSATILE

ICynene lets you effectively insulate and air-seal where some other insulations can't!

It seals all spaces and sticks to surfaces so it's great for seeping into unusual or hard-to-insulate places like around doors and windows, over garages, in crawlspaces, cathedral ceilings, around electrical boxes and plumbing.



www.icynene.com.au - Australian and New Zealand mini site

www.icynene.com - Canadian full site

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