

The Icynene Insulation System



Overview

People consider their homes as a safe haven – a place where they can escape the noise and pollution of modern everyday life. Consequently, insulation must play a multiple role. No longer there just to insulate, today's insulation must protect a home by providing a Healthier, Quieter, More Energy Efficient® environment.

What's more, today's insulation should address a real threat to occupant comfort and health – that real threat is air leakage. It has been documented that enough air escapes from a typical house every day to fill two Goodyear blimps (www.urbanoptions.org). And, extra insulation means little without an effective air barrier! Unlike conventional insulation, Icynene® is an insulation and air barrier system that protects both new and existing homes from the adverse health and economic effects of air leakage.

Your Energy Savings

Homeowners today are increasingly aware that the choices they make impact their health, safety, comfort and pocket book as well as the welfare of their community and the natural environment. Homeowners understand that a Green home equates to a safe, durable, healthy and efficient home.

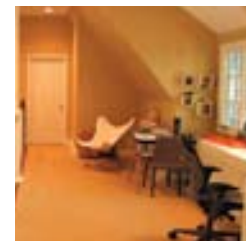
Icynene® is an example of a Green building product that pays homeowners numerous short term and long term dividends. As energy costs rise, you can bank on the fact that your lower heating and cooling costs will become an important resale feature. Green upgrades, such as Icynene®, contribute significantly to higher home resale values.



KEY BENEFITS

- Reduce energy costs by up to 50 percent
- Limits penetration of allergens and pollutants
- A healthier, longer lasting home
- Better sound control

See your independent builder for pricing





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What does Icynene® do?

Not only does Icynene® work as an insulation, it also works as a complete air barrier system to deliver optimal air tightness. Unlike conventional insulation products that allow air to move in and out of your home, Icynene® foam insulation is applied as a liquid and softly expands to 100 times its initial volume, sealing all gaps and crevices that compromise air tightness. Icynene® delivers a perfect fit for cavities of any shape, providing a continuous, protective barrier that virtually eliminates air leakage.

Icynene® reduces random air leakage and limits the penetration of outdoor allergens and pollutants. Combined with proper mechanical ventilation, Icynene® is the ideal base for a healthy structure. Because Icynene® is 100 percent water-blown, formaldehyde-free, and contains no harmful gases; it is the insulation of choice for many of the American Lung Association's "Health Houses" to help inhabitants breathe easier.

The secret to Icynene® is the way it seals

Icynene® works like a high-performance fabric because it is a breathable material that, just like your favorite outdoor sportswear, is windproof and resists water. Thanks to its air sealing capabilities, Icynene® minimizes both airflow and moisture build-up to help maintain a warm and dry building envelope. The result? A healthier, longer-lasting home. By sealing the building envelope like no other conventional insulation can, Icynene® delivers the kind of benefits today's homeowners are looking for.

Improved Indoor Air Quality (IAQ)

With asthma rates on the rise, as a homeowner you can take comfort in knowing that Icynene® is a Green material that helps to improve the quality of the indoor air you and your family breathe. It is the only insulation certified by the Enviroidesic™ Certification Program, which is recognized for improving air quality in homes across North America.

Increased sound control

Traffic, neighborhood activities and plumbing runs can be the sources of annoying sounds – the unwanted noises that can invade living spaces, hindering comfort and enjoyment. These sounds most commonly travel through the air. By sealing the building envelope, Icynene® effectively minimizes airborne sounds. Icynene® is perfect for dampening noises from home theaters, playrooms, plumbing runs and roads.

Effective Moisture Management

Icynene® delivers advanced moisture management by forming an air seal to minimize air movement and accompanying moisture. By minimizing moisture transport through the home, Icynene® helps to prevent condensation and reduces the potential for mold growth within walls and ceilings. Even if Icynene® gets wet (through a roof leak, for instance), the material doesn't wick water. Icynene's open-celled structure allows it to remain unaffected by wetting and drying so that it can continue to operate at peak performance levels. Water simply drains right through Icynene® without spreading so that it, as well as surrounding materials, can quickly dry.

Maximum energy conservation

Icynene® has earned the Energy Star® because, when installed, homeowners can look forward to reduced monthly energy costs of up to 50 percent versus conventional insulation. And the savings don't stop there. Eliminating random air leakage allows Icynene®-insulated homes to maintain the same heating and cooling performance with smaller, less expensive HVAC equipment.

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