



ICYNENE™
HEALTHIER, QUIETER, MORE ENERGY EFFICIENT™

WHY ICYNENE®?

Healthier home for your family.
Quieter home shielded from inside and outside noise.
More Energy Efficient for a lifetime of savings.

Do it Right the First Time

Building a new home requires many decisions and often the choices are difficult. Many people take the insulation decision for granted. They don't realize that insulation will have a major impact on the health, energy efficiency and comfort of their new home. Unfortunately, insulation is not something you can easily change after your home is built. You only have one chance to make the right decision. Icynene® represents the latest advancement in insulation technology. There is no system available which offers so much to both the new home builder and buyer.



Fresher air should ensure a better night's sleep and you won't have to open your windows to achieve it. Humidity can be better controlled so you can eliminate the health concerns about mold. Design your home properly using Icynene®, and you'll feel the difference. You'll enjoy a healthier more comfortable home for years to come.

A Quieter Home

Icynene®'s unique air sealing qualities will also have a significant effect on reducing the airborne sound penetrating your home.

It's a real advantage if you live near a busy street or an airport. Icynene® is also ideal for soundproofing interior walls in your entertainment room and washrooms or around plumbing stacks to reduce the sound of water rushing to drainage below.



Build a Better Home

After decades of study and experimentation, building scientists have concluded that tighter, mechanically ventilated homes are the best way to achieve maximum energy efficiency and better indoor air quality.

A tight home enables the homeowner to better control their living environment and allows them to take advantage of the performance of their ventilation systems. The end result is a more comfortable home with significant monthly energy savings, and vastly superior air quality.

Better Air Quality

Improving indoor air quality is a goal of many new home buyers, especially for those suffering from allergies, asthma or other respiratory problems. Icynene® offers the ability to completely air-seal the building envelope. By eliminating random air leakage, the penetration of dust, allergens and pollutants can be significantly reduced. It allows you to develop a controlled indoor environment so you can design your heating and cooling equipment to maximize air quality.

A Healthy Solution

Icynene® has long been recommended for individuals who are chemically sensitive. It contains no PBDEs and does not emit any detectable emissions after 30 days. Icynene's foam technology for expansion is 100% water-blown. It uses no HFCs which are common in other foams and considered powerful green house gases. Ask your installer or builder for a sample. It has the look and feel of angel food cake.



Durable!

Icynene® foam is inert. It does not shrink, sag, settle, slip, turn to dust or decline in R-value over time. It offers no food value to bacteria, fungus, termites, carpenter ants or rodents. It has been used successfully in residential and commercial buildings across North America since 1996 and has been evaluated and approved for use in both the United States and Canada.

Maximized Performance and Energy Savings

Creating an air barrier with Icynene® is the smart solution for those concerned about energy efficiency. Many people believe that R-value is the key to reducing energy consumption. Unfortunately, R-value does not take into account air leakage which is a major factor in evaluating overall energy efficiency. If you have a choice between adding more R-value or eliminating the source of air leakage, the answer is simple - Icynene®. By controlling air leakage, your home will perform 30-50% better than with traditional insulation materials and methods. You can take those savings to the bank!



There are more savings! Icynene® is very effective at delivering energy performance. Heating and cooling loads are reduced so that you can often downsize your heating and cooling equipment significantly. In addition, for U.S. home owners, you may be eligible for an E.P.A. Energy Star mortgage which means more savings when you purchase or build - see your contractor for details.

Affordable!

Make no mistake. Icynene® is a premium product. It can't be compared to other insulation products because it does so much more. It's energy efficient, healthier, quieter and improves comfort. Building costs will be reduced by eliminating air barriers, most caulking and taping and by rightsizing your furnace and air conditioning units. By using Icynene® you will see significant savings in your monthly energy bills. We think you'll agree, that Icynene® is more than affordable and the best investment you will ever make in your new home

ICYNENE® IS TRULY REVOLUTIONARY

Icynene® is a foam insulation which is sprayed into walls, floors and ceilings by Icynene Licensed Dealers. Sprayed on as a liquid, it expands in seconds to create a superior insulation and air barrier. Every nook and cranny, electrical box, duct, and exterior penetration is effortlessly air-sealed. No more random air leakage or energy robbing drafts to worry about. It adheres to everything - so whether you plan to build with wood or metal, Icynene® will deliver the performance you can count on.

With Icynene® you rest comfortably knowing every nook and every cranny is perfectly air-sealed



Warranty

Icynene® is backed by a Limited Lifetime warranty. A copy of the warranty is available upon request.



Environmental Characteristics HFCs

CFCs or HCFCs	none
Formaldehyde	none
Corrosiveness	negative
VOC's after 30 day aging	non-detectable

Flammability Characteristics

U.S.A.	
Flame spread ASTM E84 *	<20
Smoke developed	<400
Fuel contribution	zero
Oxygen index	23
NY State FireGlass toxicity	LC50-12

Physical Properties

Density	0.5lb/cf
Thermal Resistance	R-3.6/in
Heat flow reduction through 1"	72.7%
Heat flow reduction through 3.5"	92.2%
Heat flow reduction through 5.5"	95.0%
Heat flow reduction through 10"	97.3%
Vapor permeance - 5"	10 perms
Sound transmission class	37
Noise reduction coefficient	70

Evaluations and Approvals

B.O.C.A., I. C.B.O., S.B.C.C.I., N.E.S., C.C.M.C.

This is a summary of the product specification. Please ask for and read the full product specification before using.

LOOK WHAT CUSTOMERS ARE SAYING!

ON COMFORT:

The attic of my cabana style building would typically be about 150 degrees in the summer. After re-insulating the underside of the roof deck with Icynene®, the attic is now no more than 1-5 degrees different than the inside of the building below.

- Bob Miller, Sarasota, Florida

We have a ceramic floor above the garage and in the winter, the floor would often be 18 degrees colder than the room temperature. After removing the fiber glass and adding Icynene®, the temperature difference is now less than 2 degrees. And we no longer have frozen pipes!

- Todd & Jeri Scebold, Ames, Iowa

ON ENERGY SAVINGS:

We had our pole barn insulated with Icynene® and we had a special visit from the local gas utility because the fuel consumption was so low!

- Bob Walker, Bellefontaine, Ohio

We are living in an area where the design temperature is -20F and with Icynene®, our gas bills are only \$60 per month. Our house was so well sealed that when the 5 Star Plus rating technician arrived, he was surprised that ourhouse had such a low rate of leakage.

- Ron Bateman, Anchorage, Alaska

I had no idea that any one product could do so much for our homes as well as benefit the clients. We were able to reduce our cooling tonnage in our first home by 2.5 tons.

- David Dickerson, Gulf Development Group, Fort Myers, Florida

We used Icynene® to insulate our old home and we have already experienced a 25% reduction in heating oil consumption and I haven't installed the exterior clapboard yet.

- Tom Anderson, Petersham, Massachusetts

HEALTH:

With Icynene® in our townhouse, our energy bills are 35% less than our neighbors who used fiber glass, and with the addition of an air filter, our son is having less asthma attacks. Icynene® has really made the difference!

- Murray Clark, Toronto, Canada

Distributed by:



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