

Environmental Characteristics

- CFCs, HCFCs, HFCs or HFAs none
- Formaldehyde none
- Corrosiveness negative
- VOCs after 30 days none detectable

Flammability Characteristics

- Flame spread ASTM E84 <20
- Smoke developed <400
- Fuel contribution 0
- Oxygen index 23

Physical Properties

- Density 0.5 lb/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

*The assembly tested was a 2x4" wood stud wall (16" on center), 3.5" Icynene®, one layer of 5/8" gypsum board on each side.

Evaluations and Approvals

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

This is a summary of the product specifications. Please ask for full product specifications before using.



The Icynene Insulation System®

Healthier, Quieter, More Energy Efficient®

Icynene® gets healthy recognition

- The only insulation material certified by the Envirodesic™ Certification Program
 - recognized across North America for contributing to improved indoor air quality
- Featured in the American Lung Association's National Health House® projects

Icynene® is the high-performance insulation for an airtight thermal envelope.

Since 1986, Icynene® has proven itself in thousands of homes across North America. Icynene® is the only fully-integrated insulation system offering a Healthier, Quieter, More Energy Efficient® environment for maximum indoor air quality.



Find out more about The Icynene Insulation System® today!



Visit our website: www.icynene.com

Toll Free: 800.758.7325



The Icynene Insulation System®

Healthier, Quieter, More Energy Efficient®

INSULATING IN COLD CLIMATES



A Superior Insulation and Air Barrier for Cold Weather Construction

Keeps warm air in. Locks extreme cold out.

The Icynene Insulation System® expands to 100 times its initial volume in seconds to completely insulate and air-seal the building envelope. The resulting blanket of soft foam insulation forms a continuous thermal barrier that eliminates cold spots and significantly reduces energy costs. A consistent, comfortable temperature is maintained inside the home, while cold air is kept outside.

By minimizing air leakage, there is a reduction of airborne moisture movement through the building envelope. This helps to prevent condensation, which can result from moisture-laden interior air contacting the cold outer layers of the wall. Icynene® offers peace-of-mind to homeowners by minimizing the potential for condensation-related problems, such as the growth of mold and mildew within walls and ceilings.

Constructing an airtight thermal envelope has never been simpler. Icynene® eliminates the need for extra air-seal or air barrier treatment, such as building wraps (subject to local building codes). With less material and a more rapid construction process, Icynene® achieves optimal airtightness in just one step.

Icynene® Solves the Specific Challenges of Cold Weather Construction

- ❏ **Permits installation in climate condition as cold as -22° F (-30° C) without the need to preheat the building**
- ❏ **Eliminates the need for double walls or double floors**
- ❏ **Reduces construction time, labor costs and some material costs**
- ❏ **Offers freedom in building design for otherwise difficult to insulate surfaces such as cathedral ceilings, perimeter joist spaces, crawl spaces, wine cellars, humidors and flat roofs**
- ❏ **Maintains original cured form - *does not shrink, settle or sag***

The Icynene® is the ideal Base for Construction in Cold Climates... and MORE

Healthier

- “Green” building product
- No formaldehyde, CFCs, HCFCs, HFCs, HFAs
- Air-sealing properties to lock out dust, allergens, odors and pollutants
- Minimizes condensation and reduces the potential for mold growth
- Recommended for individuals who are chemically sensitive or suffering from allergies or asthma



Quieter

- Eliminates noise in plumbing walls
- Reduces room-to-room noise levels in the home
- Encapsulates home theaters for enhanced soundproofing
- Reduces outside noise caused by airplanes, wind and traffic

More Energy Efficient

- Eliminates air leakage to save up to 50% in energy bills each month
- Maintains consistent indoor ambient temperature using less energy
- Enhances home resale value for a higher return on investment
- Contributes to meeting Energy Star™ mortgage requirements

