

## Environmental Characteristics

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

## Flammability Characteristics

- Flame spread ASTM E84 <20
- Smoke developed <400
- Fuel contribution zero
- 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

## 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 full product specifications before using.**



## The Icynene Insulation System®

Healthier, Quieter, More Energy Efficient™

### Icynene® gets high marks

- The only insulation material certified by the Envirodesic™ Certification Program
  - recognized for improving indoor air quality across North America
- Featured in the American Lung Association Healthy House projects in Florida, Washington, Oregon, Iowa and Michigan

### Icynene® . The best insulation solution for your home.

**On the market 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™ solution to maximum indoor air quality.**



Find out more about The Icynene Insulation System® today!

Visit our website: [www.icynene.com](http://www.icynene.com)

Toll Free: 888.946.7325



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## The Icynene Insulation System®

Healthier, Quieter, More Energy Efficient™

# INSULATING IN COLD CLIMATES



## A Quality Insulation Solution for Cold Weather Construction

### Keeps warm air in. Locks extreme cold out.

The Icynene Insulation System® is an expanding soft foam product that insulates and air seals at the same time. Available for spray application or as a pourable foam, Icynene® expands and cures in minutes. As it expands, it forces its way into every corner and crevice completely filling the cavity to create its own continuous air barrier.

Icynene's gap-free foam virtually eliminates the need for any detailed special air seal or air barrier treatment such as building wraps (subject to local building codes). A consistent, comfortable temperature is maintained inside, and the cold is kept outside.

Due to its on-site, custom application and air sealing ability, The Icynene Insulation System® allows for greater freedom in project design. Quality control problems during construction are a thing of the past, since foam is custom-applied to every building. Icynene® simplifies detailing and construction methods, while delivering superior performance. Icynene® eliminates cold corners, walls and floors over unheated spaces and delivers better overall comfort and even temperatures throughout the building.

# Icynene® meets the Specific Challenges of Cold Weather Construction

- ❖ Can be installed in any climate condition down to -22° F (-30° C) without the need to preheat the building
- ❖ Eliminates the need for double walls or double floors
- ❖ Reduces construction time, labor and material costs
- ❖ Ideal for multi-unit buildings (offices, hotels, apartments, etc.) due to energy efficiency and sound barrier properties
- ❖ Permits innovative designs 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 Insulation System® Healthier, Quieter, More Energy Efficient™

### Healthier

- Environmentally friendly
- Completely air seals buildings
- Locks out dust, allergens, odors and pollutants
- Prevents mold and mildew
- No formaldehyde, CFCs, HCFCs or VOCs
- Safe for use by individuals who are chemically sensitive or suffering with allergies or asthma



### Quieter

- Eliminates vibration in plumbing walls
- Controls impact noises through partition walls
- Encapsulates home theaters for enhanced sound proofing
- Reduces outside noise such as airplanes, wind and traffic

### More Energy Efficient

- 30% to 50% energy savings each month!
- Performs at its full laboratory rated R-value, not a fraction of it
- R-Value equals 3.6 per inch  
- 2 x 4 equals R14 and 2 x 6 equals R20
- Eliminates air leakage
- Keeps temperature consistent - *less energy*
- Meets Energy Star™ mortgage requirements
- Enhances resale value  
- *good return on investment*

