

## 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



™ Healthier, Quieter, More Energy Efficient  
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## The Icynene Insulation System®

Healthier, Quieter, More Energy Efficient™

# INSULATING IN WARM CLIMATES



## A Quality Insulation Solution for the Warm Weather Building

### Curing the Warm Weather Attic Blues

Traditional construction typically includes vented attics, regardless of regional and climatic conditions. However, in warm humid climates, temperatures in vented attics can reach well in excess of 120°F. Add to that the infiltration of moisture laden air and attic pressurization, and you have a myriad of problems for energy efficiency, indoor air quality, condensation and comfort.

The Florida Solar Energy Center attributes 65% of the infiltration in the average Florida home to the attic. Coupled with duct leakage, this can place a considerable burden on the home's systems to maintain indoor comfort.

**The solution is the Icynene® Thermal Envelope.** Utilizing an unvented (sealed) attic design, Icynene®, a unique foam insulation, is placed at the roof plane rather than on the ceiling to create a completely closed structure which prevents moisture from entering the attic and condensing.

The result is a completely enclosed, air-tight sealed building that offers a healthier, quieter and more energy efficient environment.

# The Icynene® Thermal Envelope...

- ❏ **Virtually eliminates condensation, duct sweating, infiltration, humidity and bacteria growth**
- ❏ **Allows the control of humidity levels within the 45% to 50% range, a level at which molds, mildew, dust mites and many allergens perish**
- ❏ **Creates maximum indoor air quality  
Improves the thermal comfort within the entire building**
- ❏ **Vastly improves energy efficiency  
Extends the life of the building and the systems within it**
- ❏ **Maintains original cured form  
- does not shrink, settle or sag**
- ❏ **Is a lifetime warranted product**

**Icynene® is a revolutionary insulating soft foam which not only provides optimum insulation for the attic, but is Healthier, Quieter, More Energy Efficient™.**

## Icynene® from the Top Down

### 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

