

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

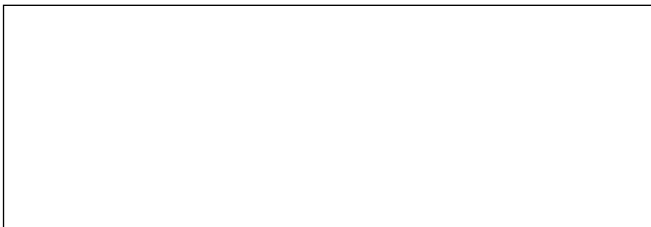
- The only insulation material certified by the Envirodesic™ Certification Program
 - recognized across North America for contributing to improved indoor air quality
- Featured in the American Lung Association's National Health House® projects

Icynene® is the high-performance insulation for advanced moisture management.

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 WARM CLIMATES



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A Superior Insulation and Air Barrier for Warm Weather Construction

Advanced Moisture Management for Warmer Climates

Traditional construction typically requires 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. This extreme temperature, combined with the infiltration of moisture-laden air and attic pressurization, can cause a myriad of problems including energy inefficiency, poor indoor air quality and overall occupant discomfort.

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 mechanical system to maintain indoor comfort.

The solution is the Icynene®-insulated thermal envelope. Utilizing an unvented (sealed) attic design in warm climates can increase energy efficiency and minimize the potential for condensation and mold growth. With Icynene®, insulation can be placed under the roof deck so that the attic becomes conditioned space, allowing for rightsizing of air-conditioning units and additional energy saving. This approach minimizes moisture-laden exterior air from entering the attic, condensing and generating the moisture that can lead to mold growth. Icynene® is a soft foam insulation and air barrier that is 100% water-blown and contains no harmful gases. It expands to 100 times its initial volume and adheres to the construction material to air-seal the building envelope, creating a Healthier, Quieter, More Energy Efficient® living environment.

The Icynene®-insulated Thermal Envelope...

- ❏ **Minimizes the potential for condensation, duct sweating, infiltration, humidity and bacteria growth**
- ❏ **Minimizes air leakage to avert airborne moisture from entering the home**
- ❏ **Allows for rightsizing of the mechanical system to keep the indoor relative humidity at a level at which mildew, dust mites and other allergens perish**
- ❏ **Facilitates maximum indoor air quality**
- ❏ **Improves thermal comfort within the entire building envelope**
- ❏ **Offers savings of up to 50% every year in energy costs versus conventional insulation**
- ❏ **Extends the life of the building and the systems within it**
- ❏ **Maintains original cured form**
- does not shrink, settle or sag

Icynene® is a proven soft foam insulation and air barrier, which provides optimum insulation for the attic, walls and crawlspaces to create a Healthier, Quieter, More Energy Efficient® living environment.

Icynene® is the ideal base for
Construction in Warm 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 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

