



# The Icynene Insulation System®

## Icynene® Redefines the Role of Insulation to Meet the Demands of Today's Homes

The U.S. Department of Energy estimates that the average family spends \$1,400 a year to run its house, with about half of that spent toward heating and cooling. And according to a survey by Icynene and the NAHB Research Center, consumers are willing to pay as much as \$5,000 to shave hundreds off their energy bills. For that reason, more consumers look for houses with energy-saving features.

The Zero Energy Home, on display at this year's Sunbelt Builders' Show, is a **MUST SEE** for builders because the home is designed to use as much energy as it produces.

This two-story, 3,800 square-foot house features a collection of state-of-the-art building materials - everything from the high-performance properties of The Icynene Insulation System® to a device that recycles hot air from the gas fireplace through the heating and air-conditioning system.

"Our purpose in building this house is to demonstrate what can be done," said Mr. Sargent, the custom-home builder for the Zero Energy Home. "It's possible to build a house that is comfortable to live in, is architecturally pleasing, and doesn't have a utility bill."

The Icynene Insulation System® was selected as the official insulation for the Zero Energy Home because of its proven performance in an unvented attic assembly. The entire attic space of the Home will be conditioned and will maintain the comfortable temperature of 75-80° all year round. This means that the HVAC system doesn't have to work as hard to heat and cool the Home.

Icynene® is a spray-in-place, soft foam insulation and air barrier system that expands to 100 times its initial volume, filling and sealing every crack and crevice that compromises airtightness. Icynene® was a perfect fit for sealing the junction between the roofline and the Durisol block walls. It significantly minimizes air leakage to reduce energy bills by as much as 50%.

As a green building material, Icynene® is respectful of the environmental considerations of this project. In addition to reducing the energy consumption of the home, this product uses water as its blowing agent instead of HFCs, HCFCs, HFAs, or other harmful gases. Icynene® maintains its efficiency with no loss of R-value to provide total thermal comfort for the home's occupants today and for years to come.

Icynene® has redefined the role of insulation in order to meet the increasing demand for sustainable building. Visit the Zero Energy Home to see how Icynene® delivers a Healthier, Quieter, More Energy Efficient® living environment.

*For more information on Icynene®'s superior performance and benefits, ask for a copy of our "Custom Builder" brochure. To obtain a copy, visit [Icynene.com](http://Icynene.com) or call toll free 800.758.7325.*

Professionally installed by:

**Insulation For Life**   
"for the life of your home, for the life of your family"

**The Icynene Insulation System®**  
Healthier, Quieter, More Energy Efficient®