



ICYNENE

Icynene[®] helps builders gain project accreditation in national residential green certification programs

Despite the downturn in the U.S. housing market, the demand for greener housing continues to soar, offering a huge opportunity for builders.

With growing demand, homeowners are becoming increasingly aware about what green really means. Green building includes how a home addresses energy efficiency, water and resource conservation, the use of sustainable building products and protection of indoor air quality. By seeking industry certification as a standard for new home performance, builders and homeowners can ensure that their homes are built to green building standards.

Icynene[®] is playing a major role helping builders achieve the stringent green building standards established by a major new U.S. certification program launched by the National Association of Homebuilders (NAHB).

NAHB National Green Building Standard (NGBS)

The National Association of Homebuilders has brought green to the mainstream with the launch of the NAHB National Green Building Standard (NGBS) for homebuilders and remodelers.

The NAHB National Green Building Standard is a voluntary accreditation program based on the three-year-old NAHB Model Green Home Building Guidelines. The NGBS offers credible, cost-effective green building certification standards, so a homebuyer's money can go to green features vs. green program fees.

The NGBS provides a truly national standard, with regionally tailored elements, which will help bring uniformity to critical aspects of green building. The NAHB has developed an NGBS on-line scoring tool as well as the NGBS-accredited professional program.

Icynene helps projects gain green certification

The NAHB NGBS program and the U.S. Green Building Council's LEED (Leadership in Energy and Environmental Design) Green Building Rating System™ are the two national programs to offer green certification for homes in the United States. Icynene can support builder efforts to achieve certification in either green building program.

Here are a few examples:

- For the LEED for Homes program, Icynene[®] can contribute up to 34 credits in the Energy and Atmosphere category alone
- Icynene can also help builders achieve additional LEED credits in the Innovation and Design Process, Materials and Resources and Indoor Environmental Quality categories
- For the NGBS, Icynene can make a significant contribution to the program's Energy Chapter. Icynene provides a solution to nearly all of the physical elements of the home where mandatory insulation and air-sealing are required

- For the NGBS, Icynene assists in maximizing the International Energy Conservation Code energy cost, determined through a software performance calculation such as REM Design™, where up to 120 additional points can be realized
- For the NGBS, Icynene also contributes in the areas of Indoor Environmental Quality, Resource Efficiency and Additional Practices. (Note: Mandatory points must be achieved in the Additional Practices category)

Contributing to a higher standard of building

Regardless of the certification being sought, Icynene's insulating and air-sealing capabilities can help houses achieve an air leakage rating of less than 0.1 ACH^{nat}. This meets or exceeds the Building America (DOE) standard for energy efficient houses and far exceeds the average 0.55 ACH^{nat} for houses built with standard insulation.

Icynene has been helping builders construct Healthier, Quieter, More Energy Efficient® homes since 1986. Icynene helps homes qualify for both national green building programs and achieve the stringent standards of Built Green™, EarthCraft House™ and the EFL (Environments for Living®) Green Certified program.

The Icynene Insulation System®'s open celled, 100% water blown technology contains no PBDEs formaldehyde nor any synthetic blowing agent that can off gas into the indoor environment. Furthermore, as an ASTM qualified air barrier, Icynene not only locks out outdoor pollutants and allergens, but can also reduce a home's energy consumption by up to 50%. Icynene does not sag or settle over time, delivering a constant R-value for the life of the building.

Icynene helps builders capitalize on new opportunities in the growing market for green housing, while achieving accreditation that proves their homes set a standard for energy performance, comfort and reduced greenhouse gas emissions.

For more information:

Icynene and LEED for Homes - [click here](#).

Icynene and the NAHB National Green Building Standard - [click here](#).