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

Icynene®: A Green Product

In evaluating Icynene® as a "Green" product, we have compared the properties of the product against the evaluation criteria of the Environmental Building News, a leading newsletter on environmentally responsible design and construction, and GreenSpec product standards. Icynene® falls within many of the defining categories and criteria that determine the environmental-soundness of a product.

Criteria	**Icynene®**
1. Building components that reduce heating and cooling loads.	1. Icynene®, because it is an effective insulation and an air barrier system, can reduce energy consumption by up to 50% versus other insulation.
2. Products that reduce material use.	2. Installing Icynene® allows for: - rightsizing of the HVAC equipment - elimination of electrical box gaskets - elimination of air barrier materials - reduction in tape, caulk, and glue
3. Impact on the environment.	3. Icynene® contains no CFCs, no HCFCs, no HFAs, no formaldehyde, nor volatile organic compounds.
4. Products that do not release significant pollutants into the building.	4. Independent tests have confirmed that Icynene® emits no harmful emissions.
5. Products that block the introduction, development, or spread of indoor contaminants.	5. Icynene®, by air sealing the building envelope, controls condensation caused by infiltrating moist/humid air and the resulting molds and mildews. The air seal also prevents outside pollution, dust, and allergens from entering the building.
6. Products that reduce the impact of renovations.	6. The pour fill variation of The Icynene Insulation System® can be installed in the wall cavities of older homes, that contain no insulation, via small 1/2" holes drilled in the wall. There is no need to rip out existing plaster or sheetrock.
7. Products with recycled content.	7. Icynene® is not made from recycled material.
8. Embedded energy costs.	8. Like all insulation, Icynene® requires energy for its creation. It is an organic by-product of the petroleum distillation process. The energy required to transport Icynene® is relatively low versus the amount of insulation delivered. The amount of insulation needed for a 2,000 sq.ft. house can be shipped in 2 drums (55 gallons each). One transport truck can deliver enough Icynene® insulation for 38 homes of 2,000 sq.ft.

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