



“We’re increasingly asked to prove the ‘greenness’ of our products. Through the SAVE™ Program, we have the opportunity to show beyond a shadow of a doubt that our product performs as expected.”

**JOHN EVANS
CODES AND STANDARDS MANAGER, ICYNENE INC.**

The days of unverified green products are over...with Icynene’s innovative new foam insulation

Icynene LD-R-50,™ a renewable-based foam insulation and air barrier material using castor oil, is the first product to receive the ICC Evaluation Service® (ICC-ES®) Sustainable Attributes Verification and Evaluation™ (SAVE™) verification. ICC-ES® created the SAVE™ Program to verify manufacturers’ claims regarding the sustainable attributes of their products.

“Today, everyone says they have a green product, but our ICC-ES® Verification of Attributes Report™ VAR-1002, is absolute proof, giving our product the credibility of a respected, accredited source,” says John Evans, Codes and Standards Manager, Icynene Inc. Ninety-four percent of U.S. homeowners would like to see universal standards for green products, cites Evans, according to a survey by Ipsos Public Affairs for Icynene. Icynene is a two-component, spray-applied product as stated in ICC-ES® Evaluation Report ESR 1826. Icynene Insulation System may be used in fire-resistance-rated construction when installed in accordance with section 4.5 of the report.

“Much like we rely heavily on ICC-ES® Evaluation Reports to demonstrate our product’s code compliance, we now rely on the ICC-ES® SAVE™ Program to verify our products’ sustainability,” says Evans. The report process was designed for fast processing time, usually averaging two months from receipt of a **completed application package** to issuance of the report.



Each red dot represents locations where
Icynene LD-R-50 can be used.



The SAVE™ Program guidelines address the product's production beginning with raw material acquisition and progressing through final manufacturing and packaging. The evaluation includes inspection of the manufacturer's production process and product testing at recognized laboratories, **where required by the evaluation guideline**. The resulting report provides accurate product information that can be helpful not only to green-minded homeowners, but also to architects or builders seeking to qualify for points under major green rating systems – like the U.S. Green Building Council's LEED, Green Building Initiative's (GBI) Green Globes, the **ICC 700-2008 National Green Building Standard™**, or the **2008 California Green Building Standards Code (Title 24, Part 11)**.

“With the introduction of Icynene LD-R-50, we continue to offer builders a profitable and responsible choice for their green building projects,” says Evans. The ICC-ES® VAR™ verifies the minimum amount of biobased material content in the product and provides independent confirmation of the manufacturer's claim related to the amount of biobased content.

Made with rapidly renewable castor oil content, LD-R-50 is a high-performance, low-density, open-cell polyurethane foam plastic insulation and air barrier system that is water-blown, free from HFCs and PBDEs. It insulates and air-seals in one step for maximum energy conservation while minimizing the environmental impact during manufacturing and construction.

“Castor oil was selected for LD-R-50 because it helps reduce reliance on petroleum-based products without compromising performance—like adhesion, air-sealing, and moisture management,” says Evans.

A nonprofit organization, ICC-ES® is the United States' leading evaluation service for innovative construction materials and systems. ICC-ES® developed the SAVE™ Program in conjunction with International Code Council (ICC) activities that are aimed at developing and fostering sustainable design and construction.

To find out more about this product, view VAR-1002:Icynene LD-R-50™, issued February 1, 2009. All SAVE™ VAR™s can be accessed and downloaded free of charge at www.icc-es.org/save and are readily searchable based on attributes such as product type, manufacturer, or report number.

This article is intended to provide information on a product for which an ICC-ES® SAVE™ VAR has recently been issued. It should not be construed as a product endorsement or a recommendation for its use.