

**ICC-ES SAVE: Verification of Attributes Report™**
**VAR-1002**

Issued February 1, 2009

This report is subject to re-examination in one year.

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**DIVISION: 07—THERMAL AND MOISTURE PROTECTION**
**Section: 07 21 16 Building Insulation**
**Section: 07210—Building Insulation**
**REPORT HOLDER:**
**ICYNENE, INC.**
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**EVALUATION SUBJECT:**
**ICYNENE LD-R-50™**
**1.0 EVALUATION SCOPE**
**Compliance with the following evaluation guideline:**

ICC-ES Evaluation Guideline for Determination of Biobased Material Content (EG102), dated October 2008.

**2.0 USES**

ICYNENE LD-R-50™ is a semirigid, low-density, cellular polyurethane foam plastic insulation that is spray-applied as a nonstructural insulating component of floor/ceiling and wall assemblies.

**3.0 DESCRIPTION**

ICYNENE LD-R-50™ is a two-component system with a nominal density of 0.5 pcf (8.0 kg/m<sup>3</sup>). The polyurethane is produced by combining the two components on-site. Water is used as the blowing agent and reacts with the isocyanate, which releases carbon dioxide, causing the mixture to expand. The mixture is spray-applied to the surfaces intended to be insulated.

The insulation contains the minimum percentage of biobased content as noted in Table 1.

**4.0 CONDITIONS**

Evaluation of LD-R-50™ for compliance with the International Codes is outside the scope of this evaluation report. Evidence of compliance must be submitted by the permit applicant to the Authority Having Jurisdiction for approval.

**5.0 IDENTIFICATION**

The ICYNENE LD-R-50™ spray foam insulation described in this report is identified by a stamp bearing the manufacturer's name (Icynene, Inc.) and address, the product name (ICYNENE LD-R-50), and the VAR number (VAR-1002).

**TABLE 1—BIOBASED MATERIAL CONTENT SUMMARY**

% MEAN BIOBASED CONTENT	METHOD OF DETERMINATION
8% (+/- 3%) <sup>1</sup>	ASTM D 6866

<sup>1</sup>Based on precision and bias cited in ASTM D 6866.