



# ICC-ES Listing Report

## ESL-1384

Reissued October 2024

This listing is subject to renewal October 2025.

**CSI:** DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION  
Section: 07 21 00—Thermal Insulation

**Product Certification System:**

The ICC-ES product-certification system includes evaluating reports of tests of standard manufactured product, prepared by accredited testing laboratories and provided by the listee, to verify compliance with applicable codes and standards. The system also involves factory inspections, and assessment and surveillance of the listee’s quality system.

**Product:** ECOSTAR, ECOSTAR RC, ECOSTAR ET, ECOSTAR HD and ECOSTAR LITE

**Listee:** FSI

**Evaluation:** FSI ECOSTAR, ECOSTAR RC, ECOSTAR ET, ECOSTAR HD and ECOSTAR LITE poured-in-place polyurethane foam plastic insulation was evaluated when tested at the nominal in-place density and maximum thickness specified in Table 1 below, when tested to the following standards:

- UL 723 (-2018, -2008 with revisions through August 2013 and -2008 with revisions through September 2010), Standard for Test for Surface Burning Characteristics for Building Materials, Underwriters Laboratories, LLC
- ASTM E84 (-2018B, -2016 and -2013A), Standard Test Method for Surface Burning Characteristics of Building Materials, ASTM International.

**Findings:** FSI poured-in-place polyurethane foam plastic insulations have a flame-spread index of 25 or less and smoke-developed index of 450 or less when produced at the in-place densities specified in Table 1 below, based on testing in accordance with UL 723 / ASTM E84, as referenced in the applicable sections of the following code editions:

**TABLE 1—FLAME-SPREAD INDEX AND SMOKE-DEVELOPED INDEX**

INSULATION	IN-PLACE DENSITY (lb/ft <sup>3</sup> )	MAXIMUM INSULATION THICKNESS (inch)	FLAME-SPREAD INDEX (FSI)	SMOKE-DEVELOPED INDEX (SDI)
ECOSTAR	2.2 – 2.5	5.5	25 or less	450 or less
ECOSTAR RC	2.2 – 2.5	5.5	25 or less	450 or less
ECOSTAR ET	2.2 – 2.5	5.5	25 or less	450 or less
ECOSTAR HD	2.5 – 2.8	5.5	25 or less	450 or less
ECOSTAR LITE	2.0 – 2.3	5.5	25 or less	450 or less

For SI: 1 inch = 25.4 mm, 1 lb/ft<sup>2</sup> = 16 kg/m<sup>3</sup>

- 2021, 2018 and 2015 *International Building Code*®  
Applicable Sections: 2603.3
- 2021, 2018 and 2015 *International Residential Code*®  
Applicable Section: R316.3

**Identification:**

1. Containers of the A and B components of the poured-in-place polyurethane foam plastic insulations described in this listing report bear a label indicating the manufacturer's name (Foam Supplies, Inc.) and address, the product name, product type (component A or B), the date of manufacture and shelf life, the lot number, nominal density, the flame-spread index and smoke developed index, the ICC-ES listing report number (ESL-1384), and when applicable, the ICC-ES listing mark.
2. The report holder's contact information is the following:

**FSI**  
**13389 LAKEFRONT DR.**  
**EARTH CITY, MISSOURI 63045**  
**(314) 344-3330**  
[info@foamsupplies.com](mailto:info@foamsupplies.com)  
[www.foamsupplies.com](http://www.foamsupplies.com)

**Installation:** The products must be installed in accordance with the FSI published installation instructions and applicable codes.

**Conditions of listing:**

1. The listing report addresses only conformance with the standards and code sections noted above.
2. Approval of the product's use is the sole responsibility of the local code official.
3. The listing report applies only to the materials tested and as submitted for review by ICC-ES.
4. FSI ECOSTAR, ECOSTAR RC, ECOSTAR ET, ECOSTAR HD and ECOSTAR LITE poured-in-place polyurethane foam plastic insulations are manufactured under a quality control program with inspections by ICC-ES.