



# ICC-ES Listing Report ESL-1407

Reissued November 2024

This listing is subject to renewal November 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:** FOAM PLASTIC PRODUCTS

**Listee:** FSI

**Evaluation:** Foam Plastic Products, with densities and minimum thicknesses specified in Table 1 below, were evaluated when tested to the following standard:

- UL 94-1996 (with revisions through June 2009), Tests for Flammability of Plastic Materials for Parts in Devices and Appliances, Underwriters Laboratories, LLC

**TABLE 1—FOAM PLASTIC PRODUCTS TYPICAL FREE-RISE DENSITY AND MINIMUM THICKNESS**

FOAM PLASTIC PRODUCTS	TYPICAL FREE-RISE DENSITY (pcf)	COLOR	MINIMUM THICKNESS (mm)	FLAME CLASS
Ecofoam	1.6 ± 0.2	Natural	12.7	HF-1
Ecofoam RC	1.6 ± 0.2	Natural	12.7	HF-1
Ecofoam RCIA	1.7 ± 0.2	Natural	12.7	HF-1
Ecofoam SRC	1.7 ± 0.2	Natural	12.7	HF-1
Ecofoam ET	1.6 ± 0.2	Natural	12.7	HF-1
Ecofoam HD	2.1 ± 0.2	Natural	12.7	HF-1
Ecofoam HD ET	2.1 ± 0.2	Natural	12.7	HF-1
Ecofoam HD RC	2.1 ± 0.2	Natural	12.7	HF-1
Ecofoam HD XET	2.1 ± 0.2	Natural	12.7	HF-1
Ecofoam HD XRC	2.1 ± 0.2	Natural	12.7	HF-1
Ecofoam XHD	2.5 ± 0.2	Natural	12.7	HF-1
Ecofoam Lite	1.4 ± 0.2	Natural	12.7	HF-1
Ecofoam Lite ET	1.4 ± 0.2	Natural	12.7	HF-1
Ecofoam Lite ETCL	1.5 ± 0.2	Natural	12.7	HF-1
Ecofoam Lite RC	1.4 ± 0.2	Natural	12.7	HF-1
Ecofoam LPK	2.1 ± 0.2	Natural	12.7	HF-1
ecospray	1.9 ± 0.2	Natural	12.7	HF-1
ThermaFroth	1.7 ± 0.2	Natural	12.7	HF-1
ThermaFroth HD	2.0 ± 0.2	Natural	12.7	HF-1
ThermaFroth ET	1.7 ± 0.2	Natural	12.7	HF-1
ThermaFroth RC	1.7 ± 0.2	Natural	12.7	HF-1
ThermaFroth HD ET	2.0 ± 0.2	Natural	12.7	HF-1

For SI: 1 pcf = 16.018 kg/m<sup>3</sup>, 1 inch = 25.4 mm.

ICC-ES Evaluation Reports are not to be construed as representing aesthetics or any other attributes not specifically addressed, nor are they to be construed as an endorsement of the subject of the report or a recommendation for its use. There is no warranty by ICC Evaluation Service, LLC, express or implied, as to any finding or other matter in this report, or as to any product covered by the report.



**Findings:** Foam Plastic Products, as noted in Table 1, have a flame class of HF-1, based on testing in accordance with UL 94.

**Identification:**

1. Packaging of the Foam Plastic Products carries a label indicating the manufacturer's name and address, the product name, and the listing report number (ESL-1407), and when applicable the ICC-ES listing mark.
2. The report holder's contact information is the following:

**FSI**  
**13389 LAKEFRONT DRIVE**  
**EARTH CITY, MISSOURI 63045**  
**(314) 344-3330**  
[www.fsi.co](http://www.fsi.co)

**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 standard 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. Foam Plastic Products are manufactured under a quality control program with inspections by ICC-ES.