



ICC-ES Listing Report ESL-1422

Reissued March 2025

This listing is subject to renewal March 2026.

CSI: DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION
Section: 07 21 00—Thermal Insulation
Section: 07 22 00—Roof and Deck 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: BRANCH RIVER INSULATION BOARDS, BRANCH RIVER INSULATION WITH TERMITE RESISTANCE[®] TERMITE RESISTANCE[®] BOARDS, BRANCH RIVER INSULATION WITH TERMITE RESISTANCE[®] TERMITE RESISTANCE² BOARDS AND BRANCH RIVER INSULATION GEOFOAM BLOCKS

Listee: BRANCH RIVER PLASTICS, INC.

Evaluation: The Branch River Insulation Boards and Geofoam Blocks described below are molded, closed-cell expanded polystyrene (EPS).

Branch River Insulation Boards 100, 130, 150, 250, 400, and 600 are manufactured at minimum densities of 0.90, 1.15, 1.35, 1.80, 2.40 and 3.00 pcf (14.4, 18.4, 21.6, 28.8, 38.4 and 48.0 kg/m³) and comply with ASTM C578 Type I, Type VIII, Type II, Type IX, Type XIV and Type XV, respectively.

Branch River Insulation WSG Boards are manufactured at a minimum density of 0.90 pcf (14.4 kg/m³) and comply with ASTM C578 Type I and ASTM E2430.

Branch River Insulation D2D Boards (Types I, VIII, II, IX, XIV and XV) 100, 130, 150, 250, 400, and 600 are manufactured at minimum densities of 0.90, 1.15, 1.35, 1.80, 2.40 and 3.00 pcf (14.4, 18.4, 21.6, 28.8, 38.4 and 48.0 kg/m³), and comply with ASTM C578 Type I, Type VIII, Type II, Type IX, Type XIV and Type XV, respectively.

Branch River Insulation with Termite Resistance (TR) Boards 100, 130, 150, 250, 400, and 600 are factory-treated for termite resistance. The boards are manufactured at minimum densities of 0.90, 1.15, 1.35, 1.80, 2.40 and 3.00 pcf (14.4, 18.4, 21.6, 28.8, 38.4 and 48.0 kg/m³), and comply with ASTM C578 Type I, Type VIII, Type II, Type IX, Type XIV and Type XV, respectively.

Branch River Insulation with Termite Resistance (TR2) Boards 100, 130, 150, 250, 400, and 600 are factory-treated for termite resistance. The boards are manufactured at minimum densities of 0.90, 1.15, 1.35, 1.80, 2.40 and 3.00 pcf (14.4, 18.4, 21.6, 28.8, 38.4 and 48.0 kg/m³), and comply with ASTM C578 Type I, Type VIII, Type II, Type IX, Type XIV and Type XV, respectively.

Branch River Insulation Geofoam Blocks EPS15, EPS19, EPS22, EPS29, EPS39, and EPS46 are manufactured at minimum densities of 0.90, 1.15, 1.35, 1.80, 2.40 and 2.85 pcf (14.4, 18.4, 21.6, 28.8, 38.4 and 45.7 kg/m³), and comply with ASTM D6817 Type EPS15, EPS19, EPS22, EPS29, EPS39 and EPS46, respectively.

The insulation boards and geofoam blocks were evaluated when tested to the following standard:

- ASTM E84 (-16, -13A and -09), Standard Test Method for Surface Burning Characteristics of Building Materials, ASTM International.

Findings:

All insulation boards and geofoam blocks have a flame-spread index not exceeding 25 and a smoke-developed index not exceeding 450 when tested at a thickness of 6 inches (152 mm), based on testing in accordance with ASTM E84; the boards and blocks meet the surface-burning characteristics requirements under the applicable sections of the following code editions:

- 2018, 2015 and 2012 *International Building Code*®
Applicable Sections: 2603.3
- 2018, 2015 and 2012 *International Residential Code*®
Applicable Section: R316.3

Identification:

1. Branch River Insulation Boards, Branch River Insulation with Termite Resistance (TR) boards, Branch River Insulation with Termite Resistance (TR2) boards and Branch River Geofoam blocks are marked on each board with the report holder's name (Branch River Plastics); the ASTM type or product name; the ICC-ES listing report number (ESL-1422), and when applicable, the ICC-ES Listing Mark. Additionally, an inspection agency certificate, including the flame-spread index, the smoke-developed index, and the thermal-resistance (*R*- value) (for insulation complying with ASTM C578), and compressive resistance (for insulation complying with ASTM D6817), is provided with each shipment of insulation boards.

2. The report holder's contact information is as follows:

BRANCH RIVER PLASTICS, INC.
15 THURBER BOULEVARD
SMITHFIELD, RHODE ISLAND 02917
www.branchriver.com

Installation:

The product must be installed in accordance with the Branch River Plastics, Inc.'s published installation instructions and applicable codes.

Conditions of listing:

1. The listing report addresses only conformance with the standard 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. Branch River Insulation boards and Geofoam blocks are manufactured under a quality control program with inspections by ICC-ES.