



ICC-ES Listing Report

ESL-1078

Reissued July 2024

This listing is subject to renewal June 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: Epsilyte® Expandable Polystyrene (EPS) Beads, Grades MA-500, MB-500, MC-500, MB-590, and MC-590

Listee: EPSILYTE CANADA ULC

Evaluation: Epsilyte® Expandable Polystyrene (EPS) Beads, Grades MA-500, MB-500, MC-500, MB-590, and MC-590, when molded into EPS insulation products with densities and thicknesses no greater than those specified in Table 1 below, were evaluated when tested to the following standards:

- UL 723-2008 and UL723-03 (revisions through May 2005), Standard for Test for Surface Burning Characteristics for Building Materials, Underwriters Laboratories, Inc.
- ASTM E84-09 and ASTM E84-07, Standard Test Method for Surface Burning Characteristics of Building Materials, ASTM International.

TABLE 1—EPS PRODUCT DENSITY AND THICKNESS WHEN MADE WITH EPSILYTE® BEADS

EPS TYPE ¹	NOMINAL DENSITY (pcf)	MAXIMUM THICKNESS (inches) FOR BEAD TYPES
		MA-500, MB-500, MC-500, MB-590, MC-590
I	1.0	6
VIII	1.25	6
II	1.5	6
IX	2.0	6

For SI: 1 pcf = 16.02 kg/m³, 1 inch = 25.4 mm.

¹Type as designated in ASTM C578.

Findings: Epsilyte® Expandable Polystyrene (EPS) Beads, Grades MA-500, MB-500, MC-500, MB-590, and MC-590, when molded into EPS insulation products, have a flame-spread index of 25 or less and a smoke-developed index of 450 or less, based on testing in accordance with UL 723/ASTM E84, as referenced in the applicable sections of the following code editions:

- 2012 and 2009 *International Building Code*®
Applicable Section: 2603.3
- 2012 and 2009 *International Residential Code*®
Applicable Section: R316.3

Identification:

1. Each container of beads is labeled with the report holder's name (Epsilyte Canada ULC) and address, the production plant country (made in Canada), the bead type, the ICC-ES Evaluation Report number ([ESR-3155](#)) and ICC-ES Listing Report number (ESL-1078), and when applicable, the ICC-ES Listing Mark.
2. The report holder's contact information is the following:

EPSILYTE CANADA ULC
19250 CLARK GRAHAM
BAIE D'URFE, QUEBEC H9X 3R8
CANADA
(514) 457-3226
www.Epsilyte.com

Installation: The product must be installed in accordance with the Epsilyte Canada ULC's published installation instructions and applicable codes.

Conditions of listing:

1. Additional attributes and their applications can be found in the ICC-ES Evaluation Report, ESR-3155.
2. The listing report addresses only conformance with the standards and code sections noted above.
3. Approval of the product's use is the sole responsibility of the local code official.
4. The listing report applies only to the materials tested and as submitted for review by ICC-ES.