

EPS NO. 1026

SUBJECT: LABELING FOAM-PLASTIC FOR CODE COMPLIANCE

DATE: JULY 2017 (REVISED JANUARY 2019)

R-Shield[®] insulation products are manufactured in a wide range of material properties to meet the varying demands of building insulation applications. All R-Shield insulation products are manufactured to meet ASTM C578 “Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation”, International Building Code (IBC), and International Residential Code (IRC) requirements. The following are critical considerations when selecting and specifying insulation products for building applications.

1. Labeling and identification. Packages and containers of foam plastic insulation and foam plastic insulation components delivered to the job site shall bear the label of an approved agency showing the manufacturer’s name, product listing, product identification and information sufficient to determine that the end use will comply with the code requirements.

R-Shield 100, 130, 150, 250, 400, and 600 for use in building applications are all labeled and identified with a UL label to meet this requirement.

2. Surface-burning characteristics. Foam plastic insulation shall have a flame spread index of not more than 75 and a smoke-developed index of not more than 450 where tested in the maximum thickness intended for use in accordance with ASTM E84 or UL 723.

R-Shield 100, 130, 150, 250, 400, and 600 for use in building applications are all labeled and identified with a UL label to meet this requirement.

3. Roofing. Above deck expanded polystyrene board shall comply with ASTM C578.

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The R-Shield UL label is most commonly provided in the form of a UL Certificate. Alternatively, UL recognition can be found in the UL Online Certificate Directory. UL recognition for ASTM E84/UL723 is shown under the UL requirement Category Code BRYX and UL recognition for ASTM C578 is shown under the UL Category Code QORW.

The use of evaluation reports or code reports are an additional method to meet building code requirements. R-Shield insulation products are recognized in evaluation reports from both UL and ICC-ES.

When selecting and specifying insulation products for your building application, please ensure that the specific ASTM Type you are specifying has complete third party recognition.

Manufacturer’s literature and/or technical information does not meet the requirement of the building codes for a label of an approved agency. A label from an approved agency with ASTM E84/UL723 recognition and ASTM C578 compliance for the specific type used on your project is required.

The verification of the label from an approved agency should be a part of the submittal review process. A UL Certificate, UL Evaluation Report, or ICC-ES Evaluation Report should be required as part of any submittal package.