



## ICC-ES Listing Report ESL-1120

Reissued July 2024

This listing is subject to renewal July 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:** RHINO LININGS THERMALGUARD OC1.0 SPRAY-APPLIED POLYURETHANE FOAM PLASTIC INSULATION

**Listee:** RHINO LININGS CORPORATION

**Evaluation:** The Rhino Linings ThermalGuard OC1.0 spray-applied polyurethane foam plastic insulation was evaluated when tested at a maximum thickness of 3.5 inches (88.9 mm) and a nominal density of 1.0 pcf (16 kg/m<sup>3</sup>) to the following standards:

- ASTM E84-16, ASTM E84-2013A, ASTM E84-09 and ASTM E84-07, Standard Test Method for Surface Burning Characteristics of Building Materials, ASTM International.
- UL 723-2008 (revisions through August 2013), UL 723-2008 (revisions through September 2010), UL 723-2008, and UL 723-03 (revisions through May 2005), Standard for Test for Surface Burning Characteristics of Building Materials, Underwriters Laboratories, Inc.

**Findings:** The Rhino Linings ThermalGuard OC1.0 spray-applied polyurethane foam plastic insulation has a flame spread index of 25 or less and a smoke-developed index of 450 or less, when tested in accordance with ASTM E84 / UL 723, as referenced in the applicable sections of the following code editions:

- 2018, 2015, 2012 and 2009 *International Building Code*®  
Applicable Section: 2603.3
- 2018, 2015, 2012 and 2009 *International Residential Code*®  
Applicable Section: R316.3

### Identification:

1. Containers of the A and B components of the spray-applied foam plastic insulation are identified with the manufacturer's name (Rhino Linings Corporation) and address, the product name (ThermalGuard OC1.0), the product type (component A and B), the shelf life expiration date, the lot number, density, flame-spread and smoke developed indices, the ICC-ES listing report (ESL-1120), and when applicable, the ICC-ES listing mark.
2. The report holder's contact information is the following:

RHINO LININGS CORPORATION  
9747 BUSINESS PARK AVENUE  
SAN DIEGO, CALIFORNIA 92131  
(858) 450-0441  
[www.rhinolinings.com](http://www.rhinolinings.com)

**Installation:** The product must be installed in accordance with Rhino Linings Corporation's 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. The Rhino Linings ThermalGuard OC1.0 spray-applied polyurethane foam plastic insulation is manufactured in Greenville, Texas under a quality control program with inspections by ICC-ES.