



ICC-ES Listing Report

ESL-1326

Reissued June 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: Kingspan Kooltherm K20 and K120

Listee: Kingspan Insulation LLC

Evaluation: Kingspan Kooltherm K20 and K120 insulation boards consists of phenolic foam plastic core with glass-tissue-based facers on both sides and are available in various sizes and in thicknesses up to 101 mm (4 inches). The boards were evaluated when tested at nominal thicknesses of 76 mm (3 inches) for the K20 and 101 mm (4 inches) for the K120, and at a nominal density of 32 kg/m³ (2.0 pcf) for the K20 and 38.4 kg/m³ (2.4 pcf) for the K120 to the following standards:

- UL 723 (-18 and -2008 with revisions through August 2013), Standard for Test for Surface Burning Characteristics for Building Materials, Underwriters Laboratories, LLC.
- ASTM E84 (-18B and -16), Standard Test Method for Surface Burning Characteristics of Building Materials, ASTM International.

Findings: Kingspan Kooltherm K20 and K120 insulation boards have the flame-spread indices and smoke-developed indices as detail in Table 1 below, based on testing in accordance with UL 723 / ASTM E84; meeting the surface-burning characteristics requirements under the applicable sections of the following code editions:

- 2021 and 2018 *International Building Code*®
Applicable Sections: 2603.3
- 2021 and 2018 *International Residential Code*®
Applicable Section: R316.3
- 2023 *City of Los Angeles Building Code*®
Applicable Sections: 2603.3

Table 1 – Flame Spread Index and Smoke-Developed Index Results¹

Product	Flame Spread Index	Smoke-Developed Index
K20	25	450
K120	25	450

¹Class A rating in accordance with IBC Section 803.1.2: Flame Spread Index 0-25, Smoke-Developed Index 0-450.

Identification:

1. The ICC-ES mark of conformity, electronic labeling, or the listing number (ICC-ES ESL-1326), and when applicable, the ICC-ES listing mark, along with the name, registered trademark, or registered logo of the report holder must be included in the product label.
2. Kingspan Kooltherm K20 and K120 insulation boards described in this listing report are packaged in bundles bearing a label indicating the manufacturer's name (Kingspan Insulation LLC) and address, the product name, and the flame-spread index and smoke developed index classification.
3. The report holder's contact information is the following:

KINGSPAN INSULATION LLC
2100 RIVEREDGE PARKWAY., SUITE 175
ATLANTA, GEORGIA 30328
(678) 589-7309
www.kingspan.com/us

Installation: The product must be installed in accordance with the Kingspan Insulation LLC'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. Kingspan Kooltherm K20 and K120 insulation boards are manufactured under a quality control program with inspections by ICC-ES.