ICC-ES Listing Report ESL-1617

Issued March 2024

This listing is subject to renewal March 2025.

CSI: DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION
Section: 07 81 00—Applied Fireproofing

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: NEROSHIELD FIRE RETARDANT PAINT

Listee: NEROSHIELD, INC.

Evaluation: Neroshield Fire Retardant Paint is a water-based intumescent coating and was evaluated when applied to unfinished spruce pine fir plywood in accordance with US DOC PS-1 and CSA O151 and Type X gypsum board in accordance with ASTM C1396, at minimum coating thicknesses; and tested in accordance with the following standards:

- ASTM E84-16, ASTM E84-2013A and ASTM E84-09, Standard Test Method for Surface Burning Characteristics of Building Materials, ASTM International.
- UL 723-2008 (revisions through August 2013) and UL 723-2008 (revisions through September 2010), Standard for Test for Surface Burning Characteristics of Building Materials, Underwriters Laboratories, Inc.
- CAN/ULC-S102-10, Standard Method of Test for Surface Burning Characteristics for Building Materials and Assemblies, ULC Standards.

Findings: Neroshield Fire Retardant Paint, when applied to unfinished spruce pine fir plywood in accordance with US DOC PS-1 and CSA O151 and Type X gypsum board in accordance with ASTM C1396 at a minimum coating thickness of 15 wet mils per 107 ft^2/gallon and 20 wet mils per 80 ft^2/gallon (381 μm per 2.63 m^2/L and 508 μm per 1.96 m^2/L) respectfully, have a flame-spread index and a smoke-developed index as specified in Table 1 below based on testing in accordance with ASTM E84 / UL 723 and CAN/ULC-S102; and as referenced in the applicable sections of the following code editions below.

TABLE 1—FLAME SPREAD INDEX AND SMOKE DEVELOPED INDEX

SUBSTRATE COATED WITH NEROSHIELD FIRE RETARDANT PAINT	FLAME-SPREAD INDEX (FSI)	SMOKE-DEVELOPED INDEX (SDI)
$^5/_8$" (15.9 mm) THICK GYPSUM WALLBOARD – TYPE X	0	0
$^5/_8$" (15.9 mm) THICK SPRUCE PINE FIR - PLYWOOD	0	15

- 2018 *International Building Code®*
  Applicable Section: 803.1.2
- 2015 and 2012 *International Building Code®*
  Applicable Section: 803.1.1

- 2018, 2015 and 2012 *International Residential Code*®
  Applicable Section: R302.9
- *National Building Code of Canada*® 2015
  Applicable Section: Volume 1, Division B, Section 3.1.12.

Identification:

1. The ICC-ES mark of conformity, electronic labeling, or the listing report number (ICC-ES ESL-1617), 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. In addition, containers of the intumescent material bear the company name (Neroshield, Inc.) and address, product name (Neroshield Fire Retardant Paint), storage and shelf-life information.
3. The report holder's contact information is the following:

   NEROSHIELD, INC.
   7466 CORTEZ ROAD WEST, SUITE 257
   BRADENTON, FLORIDA 34210
   (888) 711-1381
   www.neroshield.com info@neroshield.com

Installation: The Neroshield Fire Retardant Paint shall be installed in accordance with the Neroshield'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 Neroshield Fire Retardant Paint described in this listing report is produced under a quality control program with inspections by ICC-ES.