



LISTING REPORT FOR SURFACE BURNING CHARACTERISTICS

LISTING SUBJECT:

FX LUMBER GUARD AND FX LUMBER GUARD XT APPLIED TO ORIENTED STRAND BOARD AND PLYWOOD

LISTEE:

FIRE RETARDANT COATINGS OF TEXAS, LLC

**1150 Blue Mound Road West, Suite 403
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CSI Section:

**09 96 43 Fire-Retardant Coatings
06 05 73.13 Fire-Retardant Wood Treatment**

1.0 SCOPE OF LISTING

1.1 Compliance with the Following Standards:

- ASTM E84-18 – Standard Test Method for Surface Burning Characteristics of Building Materials
- ASTM E2768-11 – Standard Test Method for Extended Duration Surface Burning Characteristics of Building Materials (30 min Tunnel Test)

1.2 Properties Assessed:

- Surface Burning Characteristics

2.0 FINDINGS

2.1 Product Information: FX Lumber Guard and Lumber Guard XT are clear, water-based liquid applied fire-retardant products. The products are supplied in 1 quart, 1 gallon and 5 gallons (0.95L, 3.78L, and 18.9L, respectively) containers with a shelf-life of 3-years when stored in sealed containers at temperatures between 45°F and 95°F (7.2°C to 35°C).

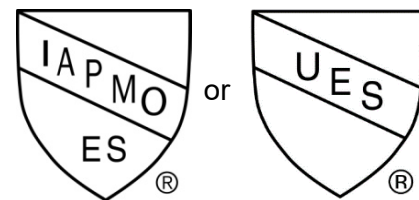
2.2 Surface Burning Characteristics: FX Lumber Guard and Lumber Guard XT, when applied at a coverage rated of 333 square feet per gallon to plywood and Oriented Strand Board, and tested in accordance with ASTM E84/ASTM E2768 extended 30-minute duration, exhibited a flame spread index of 25 or less. The flame front did not progress more than 10.5 ft. (3.2 m) beyond the centerline of the burners during the 30-minute exposure.

3.0 DESIGN AND INSTALLATION

3.1 General: FX Lumber Guard and Lumber Guard XT shall be applied in accordance with this listing and the FX Lumber Guard and Lumber Guard XT published instructions, by applicators qualified by Fire Retardant Coatings of Texas. Copies of this listing and the Fire Retardant Coatings of Texas' instructions shall be available at the jobsite. Where conflicts occur, the more restrictive shall govern. FX Lumber Guard and FX Lumber Guard XT are liquid applied by using rollers, brushes, or sprayers in one-coat to surfaces that are clean, dry, and free from dirt, grease, oil, and prior coatings of paints, stains, or sealers. The fire-retardant products shall be applied when the ambient temperature is between 45°F and 95°F (7.2°C and 35°C, respectively). At time of application, the moisture content of dimensional lumber shall not exceed 15 percent and the moisture content of plywood shall not exceed 19 percent. The coatings are applied at a coverage rate of 300 to 350 square feet per gallon (7.36 to 8.59 m²/L). FX Lumber Guard and FX Lumber Guard XT have a cure time of between 8 and 32 hours depending on temperature and humidity.

4.0 IDENTIFICATION

Containers of FX Lumber Guard and FX Lumber Guard XT fire-retardant products are identified with the manufacturer's name (Fire Retardant Coatings of Texas, LLC), address, product name, manufactured date, shelf life, application instructions, and listing report number (UEL-5019). Either IAPMO UES Mark of Conformity may also be used as shown below:



IAPMO UEL-5019

For additional information about this evaluation report please visit www.uniform-es.org or email us at info@uniform-es.org

The product described in this Uniform Evaluation Service (UES) Report has been evaluated as an alternative material, design or method of construction in order to satisfy and comply with the intent of the provisions of the code, as noted in this report, and for at least equivalence to that prescribed in the code in quality, strength, effectiveness, fire resistance, durability and safety, as applicable, in accordance with IBC Section 104.11. This report shall only be reproduced in its entirety.

