



Fire Retardant Coatings of Texas®, LLC

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Fire Retardant Chemical Manufacturer

FX Lumber Guard & FX Lumber Guard XT update.

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The 2024 IBC recognizes the ASTM E2768 as alternate testing for FRTW. FX Lumber Guard & FX Lumber Guard XT have passed the required fire performance testing of the 2021 and 2024 IBC with the 1/8 joint with plywood. FX Lumber Guard & FX Lumber Guard XT also passed the same test on 7/16 OSB (FX Lumber Guards products are the only fire retardant chemicals that have been able to pass this requirement for OSB).

FX Lumber Guards products have multiple other tests, the same as FRTW, with passing results.

FX Lumber Guard has been tested using the same standards as FRTW, with no degradation, no delamination of sheathing, and no phosphate-based chemicals.

The application of the fire retardant chemical is not what passes the test. The formulation of the chemical is what passes the test. FX Lumber Guard meets the NFPA 703 Standard for Fire-Retardant-Treated Wood and Fire-Retardant Coatings for Building Materials, ASTM E2768, UBC42.1, UL723, NFPA 259, CAN/ULC S102, AWPA E12, ASTM D5664 Lumber, ASTM D5516 Sheathing, ASTM D3201 same testing procedure as FRTW.

FX Lumber Guard is not a coating; most coatings have been tested to the ASTM E84 Surface Burning Characteristics standard for flame spread and smoke development. Fire Retardant Coatings has a retreatment requirement of 2 - 5 years, and FX Lumber Guard is tested to the extended surface burning characteristics requirement and has no retreatment requirements. FX Lumber Guard meets the NFPA 703 / 255 (ref: ICC ESR 3872, IAPMO UER 478, and Intertek CCR 1044), UBC 42.1, AWPA U1 UCFA Interior, UL 723, AC 363 Compliant, California Building Code, California Residential Code, and California Fire Code Compliant.

Straight cuts and cross cuts on sawn lumber do not have to be retreated; if sawn lumber is ripped, the rips must be retreated afterward. Plywood and OSB can be cross-cut, straight-cut, and ripped with no requirement for retreating.

• **ASTM E2768** - Surface Burning Characteristics (extended ASTM E84) Results: Class A fire retardant penetrant (average flame spread is five and average smoke index is 45) when applied to SYP Plywood and SYP OSB, both test samples had the required 1/8 joint and roofing nails applied (required for roof decking). The test was conducted in Sept. 2019.

David Paulo
President
Fire Retardant Coatings of Texas, LLC

“It’s not the application that passes the test. It’s the chemical itself.”



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