



**Fire Retardant Coatings
of Texas®, LLC**
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FX LUMBER GUARD® XT

EXTERIOR FIRE-RETARDANT PENETRANT
CHEMICAL IMPREGNATION

TECHNICAL DATA SUBMITTAL

FRCTs priority is what our customer's needs are

FACTORY CERTIFIED AND FIELD APPLICATIONS

- **Lumber:** SYP, SPF, Hem Fir, Doug Fir & other species of Hardwood and Softwoods.
- **Plywood:** SYP, Doug Fir, Red Oak, and other species of Hardwood and Softwoods sheathing.
- **Engineered Wood Products (EWP):** OSB, LVLs, LSLs, PSLs, Glulam, and Similar Engineered Wood Projects.
- **Other:** Cedar, Shakes, Redwood, Reclaimed Wood, Natural Thatching, Natural Bamboo & Preservative Treated Lum/Ply (the green stuff must be dry to recommended moisture content of our eval reports.)

At FRCT, customer satisfaction is not just a goal; it's a commitment. As part of this commitment, we provide a red colorant to validate treatment when requested. This valuable service, offered at no additional cost, not only ensures the quality of our product but also provides significant savings for our customers, showing our appreciation for their choice.

We take pride in being the pioneers in our industry to meet the 1/8 joint and roof decking requirement of the 2021 / 2024 IBC requirement on plywood and OSB. This landmark accomplishment is a clear testament to our unwavering commitment to innovation and quality, setting us apart from our competitors.

- Our product is versatile and can be used for a variety of exterior & interior applications, making our product suitability for your specific needs.
 - After the material is dry, it can be stained, painted, or sealed only with a water-based products.
- Recommendation: Apply stain, paint, or sealer to a small area, ensuring compatibility.
- The application is permanent. No re-treatment is required, assuring you of its long-lasting and durable fire-retardant performance.

• **FX Lumber Guard XT is certified for performance, testing and longevity.**

Intertek Certified Listed & Tested

Intertek CCRR-1044 **Fire Retardant Penetrant**

*ASTM E84 (Class A – 10 Min. Flame Spread)

*ASTM E2768 (Class A – 30 Min. Flame Spread)

See the Intertek Directory of Building Products,
bpdirectory@intertek.com, for complete information.

Additional Testing, Standards & Certifications

ICC ES ESR 3872

*ASTM D5664 / D6841 Lumber

*ASTM D3201 Hydroscopic

ASTM D2898 Weathered

*NFPA 255 / 703

*ANSI/UL 723

CSI Division 06 05 73.33

CSI Division 09 96 43

UL Green Guard Gold Cert.

IAPMO UER 478

*ASTM D5516 Sheathing

*AWPA E12 Corrosion

CAN/ULC S102

AWPA U1 UCFB -

Exterior Fire Retardant

UBC 42.1

*NFPA 259 Potential Heat of
Building Materials

For more details on our testing, visit frctexas.com.

Our commitment to the industry: test to the same standards as

Fire Retardant Treated Wood

NOTE: The results of the three listed species (SYP, DFir, and either white spruce or a Spruce Pine Fir) are allowed to be used together to make inferences on untreated wood species because the three tested species represent the full spectrum of expected treatability. Ref: ASTM D5516 & D5664 Standard

Technical Information

- FS Index <25 - SD Index <50 - Flame Front <10.5 Feet
- 3-year shelf life • **Non-corrosive** (AWPA E12)
- Stainable/Paintable (water-based products only)
- Certified 1 application at 300-350 sq ft per gallon
- Application Temp 45-95°F • Non-toxic • non-Hazardous

ALL FIRE RETARDANTS DO IS PROLONGS TIME TO IGNITION

• **Field Application Process:**

The material to be treated must be clean & dry before treatment. Agitate the product before and throughout the application and apply it as received. Apply at **300-350 sqft per gallon** with a Hudson yard sprayer (pump-up sprayer). Coverage will vary due to the types of materials (new to older dried out).

Vertical application: Start from the bottom and work up, as there is less waste this way. **Drying time will vary from 8-32 hours, depending on weather and temperature.** NOTE: All exposed sides need treatment during Factory Applications.

All exposed sides on existing structures need treatment during field applications.

KEEP FROM FREEZING - DO NOT DILUTE

- **Modifications to Lumber and Sheathing After Treatment.** Drilling Holes, crosscuts & straight cuts are allowed on lumber and sheathing. Ripping of sheathing is allowed, but ripping of lumber is not allowed unless the rips are field-treated.
- **Fasteners:** hot-dip galvanized, stainless steel, silicon bronze, or copper. Untreated material recommends the same. IBC and IRC recommend the same.
- **Field Testing of applied FX Lumber Guard XT (if no red colorant is present):**
The treated substrate will not have distinctive observable features. A field test may be required, using the flame from a small fire source (propane torch) to a treated and untreated substrate sample for not less than 15 seconds. The treatment must be observable by comparing the reactions of the substrates to the flame characteristics. The presence of the fire retardant is visible when it begins to form a black or white char layer. FX Lumber Guard XT will control the flame spread more than the untreated sample.

WARNING: Keep this and all chemicals out of children's reach. As with any chemical, they may cause eye and skin irritation. Always wear personal protective equipment when handling this or any chemicals.

Note: * - Same testing as fire retardant-treated wood (FRTW).

