



**Fire Retardant Coatings of Texas®, LLC**  
 4500 Grants Lane  
 Fort Worth, Texas 76179  
 Office (817) 710-5233 [www.frctexas.com](http://www.frctexas.com)

# 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 CCRR~1044 Listed & Tested*  
 \*ASTM E84 Standard Test ~ \*ASTM E2768 Extended Test  
 Certified for Southern Yellow Pine, Spruce Pine Fir,  
 Hem Fir & Doug Fir Lumber, Doug Fir & SYP  
 Plywood & OSB

See the Intertek Directory of Building Products,  
[bpdirectory@intertek.com](mailto: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](http://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 untested 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**

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

#### • **Field Application Process:**

The material to be treated must be clean (free from previous sealers, stains, or paints) & dry before treatment. Agitate FX Lumber Guard before and throughout the application. Apply as you receive it. Apply using a hand/yard pump-up sprayer (Hudson type psi of 35~40 max), a high-volume, low-pressure system (psi of 35~40 max), at a rate of 300-350 sq ft per gallon. Vertical spraying, starting from the bottom and working up, is more effective as there is less runoff this way. Dry time will vary from 8-32 hours depending on air temperature & humidity (the higher the temperature and moisture in the air, the longer it will take to dry). A fan may have to be applied to the drying area. The maximum moisture content for the substrate to be treated is 15 percent for dimensional lumber, 19 percent for plywood, and 16 percent for oriented strand board (OSB). Please don't hesitate to contact us if you have any questions or concerns.

#### **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.
- When observation of the treatment or field testing is required, the field testing must be conducted as follows: The treated substrate will not exhibit distinctive observable features. A sample of the treated material **(DO NOT TEST MATERIAL ALREADY INSTALLED)** must be tested to ensure proper application. The flame from a small fire source (a propane torch) can be applied to the treated sample to validate the application of the fire-retardant, and an untreated sample of the substrate can be compared to assess the reaction of the surface for at least 15 seconds. The presence of chemicals must be observable by comparing the reactions of the substrate's surface to the flame. The presence of the fire retardant can be observed when it begins to form a black layer of charring.

**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.

