



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

## TECHNICAL DATA SUBMITTAL SHEET

MANUFACTURER OF  
**FX LUMBER GUARD® XT**  
 EXTERIOR FIRE RETARDANT PENETRANT

### Technical Information

FSI <25 SDI / SGI <50 • Natural Mold & Insect Inhibitor  
 Non-Toxic • Certified 1 Application @ 300-350 sf per Gallon Non-  
 Halogenated • No PBDE's • No Carcinogens • Storage Temp >45° F  
 Environmentally Friendly • 3-year shelf life • Non Corrosive  
 Stainable/Paintable • Application Temp 45-95°F

We can provide a red colorant for validation of treatment when requested by our customers at no additional cost.

**FX LumberGuard XT** is a Non-Leachable exterior fire-retardant wood treatment with no retreatment requirements.

**FX Lumber Guard XT** is NOT a Preservative or a sealer

Other Applications: Cypress, Cedar, Shakes, Redwood, Reclaimed Wood, Thatching, Bamboo and Engineered Materials (LVL's, PSL's and similar materials with limited moisture exposer).

**KEEP FROM FREEZING AND DO NOT DILUTE**

### Application Process:

Material to be treated must be clean & dry before treating. Agitate product before and throughout the application. Apply as it's received. Apply by spraying on with a hand pump sprayer at a rate of **300-350 square feet per gallon** depending on the material treated. (Vertical spraying) Start from the bottom and work up as there is less waste this way. Drying time will vary 8-32hrs depending on weather and temperature.

*The maximum moisture content of the substrate to be treated is 15 percent for dimensional lumber, 19 percent for plywood, and 16 percent for oriented strand board (OSB).*

**All sides must be treated. Lumber: Cross & Straight cuts allowed, ripping not allowed, Sheathing all cuts allowed.**

### Field Testing:

When the observation of the treatment or field testing is required, a field test must be performed as follows: The treated substrate will not have distinctive observable features. To ensure the substrate has been treated properly, the treated substrate must be field tested, the flame from a small fire source (propane torch) is applied to a treated and untreated sample of the substrate for not less than 15 seconds. The presence of the treatment must be observable through the comparison of the reactions of the substrates to the flame. Presence of the fire retardant is visible when begins to form a black or white char layer.

**Meets 16 CFR 1500.3 FHSA of the Consumer Product Safety Commission (CPSC) as Non-Hazardous / Non-Toxic**

**WARNING:** Keep this and all chemicals out of childrens reach - as with any chemical, this may cause eye and skin irritation - always wear personal protection equipment when handling this or any chemicals.

**Degradation:** Design Values of *lumber, plywood or OSB* are not affected by the application of **FX Lumber Guard XT** due to the less evasive application then impregnating with a salt based chemical or kiln drying after treatment.

Intertek Certified Listed & Tested to  
**ASTM E84 & ASTM E2768**  
 For Interior Application  
**Class A rated on**  
 Lumber: SYP, SPF, Hem Fir & Doug Fir  
 Plywood: SYP / Doug Fir & OSB

**Additional Testing, Processing and Standards**  
 CSI Divisions 06 05 73.33 Fire Retardant Wood Treatment  
 CSI 09 96 43 Fire Retardant  
 ASTM D5664 • ASTM D5516  
 ASTM D3201 • AWPA E12 • ASTM D2898  
 CAN/ULC S102 • NFPA 255/703 • AC363  
 ANSI/UL 723 • UBC 42.1 • AC479 Pending  
 Additional Applications:  
 Engineered Materials, Cypress, Cedar, Redwood, Bamboo and Reclaimed Woods.  
**NOTE:** The results of the three-listed species (SPY, DFir, and either white spruce or a Spruce/Fir mixture) are allowed to be used together to make inference on untested wood species because the three-tested species represent the full spectrum of expected treatability. Ref: American Wood Counsel

