



Fire Retardant Coatings of Texas®, LLC

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FX LUMBER GUARD® XT

TECHNICAL DATA SUBMITTAL SHEET

Technical Data

Exterior or Interior Application

- FSI <25 • Natural Mold & Insect Inhibitor
- 1 Coat Application • Non Toxic • Non Halogenated
- No PBDE's • No Carcinogens • Storage Temp >45° F
- Environment Safe • 3-year shelf life • Non Corrosive
- Stainable/Paintable • Application Temp 45-95°F • PH Range. 4.5-5%

We can add a colorant for validation of treatment if needed.

FX LumberGuard XT is a Non-Leachable fire-retardant wood treatment, overcoating with a wood protectant or painted over is **HIGHLY** Recommended to prolong the life of the material treated.

FX LumberGuard XT: can be applied to the preservative material, if the material is dry and above ground contact.

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

Also used for porous Lumber and Plywood, Cypress, Cedar, Shakes, Redwood, Reclaimed Wood, Thatching, Bamboo and Engineered Materials (OSB, LVL's, PSL's and similar materials with limited moisture exposer).

Certified Listed to ASTM E84 & ASTM E2768 **Class A rated**

SYP, SPF, Hem Fir & Doug Fir Lumber & SYP / Fir Plywood & OSB

CSI Divisions 06 05 73.33 Fire Retardant Wood Treatment & CSI 09 96 43 Fire Retardant Coatings

Additional Testing, Processing and Standards

ASTM D2898 • CAN/ULC S102
NFPA 255/703 • ANSI/UL 723 • UBC 42.1 for 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 together to make inference on untested wood species because the three-tested species represent the full spectrum of expected treatability.

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).**

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 coating is visible when the coating begins to form a black or white char layer.

An exterior grade paint/sealer may be applied over FX Lumber Guard XT to assist in prolonging the life of the wood.

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 or plywood are not affected due to not impregnating with a salt based chemical or kiln drying after treatment.

