



Fire Retardant Coatings of Texas®, LLC  
 1150 Blue Mound Rd West #403  
 Haslet, Texas 76052  
 Off. (817) 710-5233 Fax (817) 439-8385  
 www.frctexas.com

# FX LUMBER GUARD®

## TECHNICAL DATA

### SUBMITTAL SHEET

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

| Technical Information                           |  |   |
|---|--|---|
| FSI <25<br>SGI / SDI <50                        | Natural Mold Inhibitor &<br>Insect Resistant | <b>DO NOT LET<br/>FREEZE<br/>OR DILUTE</b>  |
| Apply 45-95°F<br>Store >45°F                    | Non-Corrosive<br>Non-Toxic                   | Non-Halogenated<br>No Carcinogens or PBDE's |
| Certified 1 APPLICATION @ 300-350 SF PER GALLON |  |   |
| Shelf Life: 3yrs                                | STAINABLE / PAINTABLE                        | ENVIRONMENTALLY<br>FRIENDLY                 |

**Intertek Certified Listed to  
 ASTM E84 & ASTM E2768**  
***Class A rated*** on  
 SYP, SPF, Hem Fir & Doug Fir Lumber,  
 Doug Fir & SYP Plywood & OSB

**Additional Testing & Standards**  
**CSI Div. 06 05 73.13 Fire Retardant Wood Treatment**  
**CSI Div. 09 96 43 Fire Retardant Coatings**  
 ASTM E119 1 hour rated (Commercial Assembly)  
 ASTM E119/ULCS101 17 min. rated (Res. Assembly)  
 CAN/ULC S102 Class A • ASTM D5664  
 ASTM D5516 • ASTM D3201 • AWWA E12  
**MEETS: NFPA 255/703 • AC363 • ANSI/UL723**  
**UBC 42.1 • AWWA U1 UFCA (C20 & C27 withdrawn)**  
**Additional Applications: I-Joist, PSL, LVL, LSL's,**  
**Glulam's, Cedar, Redwood, MDF, Particle Board and**  
**other porous softwoods / hardwoods & Sheathings.**  
**NOTE:**  
 The results of the three-listed species (Southern pine, Douglas fir, 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

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

**FX Lumber Guard:** Fire Retardancy is indefinite if protected from excessive exposure to high humidity of >80% constantly or wet locations.

**FX Lumber Guard:** treated dimensional lumber will not require re-treating for straight or cross cuts, if ripping, the board will need re-treating, plywood can be straight, cross cut or ripped and will not require re-treatment.

**FX Lumber Guard:** can be stained or painted over after FX Lumber Guard treatment is dry.

**Application Process:**

Material to be treated must be clean (no sealer stains or paint) & dry before treating. Agitate FX Lumber Guard before and throughout the application. Apply as it's received by spraying with a hand pump sprayer, a high volume low-pressure system, rolled or brushed on at a rate of 300-350 sf per gallon depending on the material being treated. (Vertical spraying) Start from the bottom and work up as there is less run off this way, drying time will vary from 8-32hrs depending on temp & humidity. 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).

**Field Testing:**

When the observation of the treatment or field testing is required, field testing must be conducted 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 can be observed when it begins to form a black char layer.

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

**Degradation:** Design Values of lumber, plywood or OSB are not affected by the application of FX Lumber Guard due to the less evasive application than impregnation and kiln drying.

**WARNING: KEEP THIS AND ALL CHEMICALS OUT OF CHILDRENS REACH - AS WITH ANY PRODUCT, THIS PRODUCT MAY CAUSE EYE AND/OR SKIN IRRITATION - ALWAYS WEAR PERSONAL PROTECTION EQUIPMENT WHEN HANDLING THIS OR ANY CHEMICALS.**

