



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

## TECHNICAL DATA SUBMITTAL SHEET

Technical Information			
FSI <25 SGI / SDI <200	Mold Inhibitor & Insect Resistant		<b>DON'T LET FREEZE DON'T DILUTE</b>
Apply 45-95°F Store >45°F	Non Corrosive	Non Toxic	ENVIRONMENT SAFE
1 COAT APPLICATION	Transparent	STAINABLE / PAINTABLE	
Shelf Life: 3yrs	9.8 lbs per gallon	PH Range: 4.5-5%	

A colorant can be added for validation of treatment.

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

**FX LumberGuard:** is rated one of the top fire retardant coatings for application process, performance, stability, testing & certifications.

**FX LumberGuard:** treated dimensional lumber will not require retreating 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 LumberGuard:** can be used over stain, provided the stain doesn't have any wood protectant (wax, paraffin or latex) in it.

### Application Process:

Material to be treated must be clean & dry before treating. Agitate FX Lumber Guard before and throughout 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 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 and/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 substrate for a period of 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 can be observed when the coatings begin to form a black char layer.

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

**NOTE: Degradation: Design Values of lumber or plywood are not affected by the application of FX Lumber Guard due to the less evasive application then impregnation and/or 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.**

**Certified Listed to ASTM E84 & ASTM E2768 *Class A rated***  
 SYP, SPF, Hem Fir & Doug Fir Lumber,  
 SPF / SYP Plywood & OSB  
**CSI Div. 06 05 73.13 Fire Retardant Wood Treatment & CSI Div. 09 96 43 Fire Retardant Coatings**

### Additional Testing

ASTM E119 1 hour rated (commercial)  
 ASTM E119/ULC S101 17 minute rated (residential)  
 CAN/ULC S102 Class A  
 NFPA 255/703 ANSI/UL723 UBC 42.1

**Additional Applications:** I-Joist, PSL, LVL, LSL's, Glulam's, Cedar, Redwood, OSB, 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.



FX Lumber Guard TDS Revised August 2017

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