



Fire Retardant Coatings of Texas®, LLC
4500 Grants Lane
Fort Worth, Texas 76179
Off. (817) 710-5233 - www.frctexas.com

CERTIFIED FOR FACTORY & FIELD APPLICATIONS

- Fire Retardancy is permanent if protected from excessive exposure (3-4 weeks estimate) to high humidity >170% or wet locations.
- Can be stained, painted, or sealed over after the material is dry with water-based **products only**. (Recommendation: apply stain, paint, or sealer to a small area before overcoating to check for compatibility.)
- Treated dimensional lumber can be straight-cut or cross-cut. If ripping or milling, the cuts will need retreating.
All sides must be treated (call for exceptions)
- Treated plywood and EWP can be straight cut, cross cut, or ripped and will not require re-treatment.
- Recommended fasteners: follow IBC Chapter 23, Stainless Steel, Galvanized or Copper

We can provide a **red colorant** @ no cost for treatment validation when requested by our customers.

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

CERTIFIED ONE COAT APPLICATION by Intertek Laboratory

Design Values of lumber, plywood, and OSB are not affected by FX Lumber Guard.

DO NOT ADD OR MIX ANYTHING TO THE PRODUCT

KEEP FROM FREEZING – DO NOT DILUTE

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 inferences on untreated wood species because the three tested species represent the full spectrum of expected treatability. Ref: ASTM D5516

FX LUMBER GUARD® INTERIOR FIRE RETARDANT PENETRANT

TECHNICAL DATA SUBMITTAL

Intertek Certified 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 for complete information.

Additional **Class A** Testing, Standards and Certifications For all structural wood materials

CSI Div. 06 05 73.33 Fire Retardant Wood Treatment

ICC ES ESR 3872
ICC ES ESL-1087 and ESL-1064 Cert.
ASTM E119 (1 Hour Modified Rated Assemblies)
ASTM E119/ULC S101-17 Min (modified)
ASTM D5664 Lumber Strength-High Temp.
ASTM D5516 Ply/OSB Strength-High Temp.
ASTM D3201 Hydrosopic Properties-19.9%
ASTM D2369 VOC Content Tested
AWPA E12 Corr. of Metal Non-Corrosive
NFPA 259 Potential Heat of Building Materials

IAPMO ER-478
IAPMO UEL-5019 Cert.
MEETS NFPA 255 / 703
AC 363 Compliant
ANSI / UL723 – UBC 42.1
NFPA 703 Compliant
AWPA U1 UCFA Interior
UL Green Grd Gold-Certified
Certified 1 Coat Application
ASTM E84 / ULC S102 Class A

Additional Applications: I-Joist, PSL, LVL, LSL, Glulam's, Cedar, Redwood, MDF, Particle Board, and other porous softwoods/hardwoods & Sheathings.

TECHNICAL INFORMATION

FSI 5 - 15 • SMOKE 30 • 3-year shelf • 300-350 Sq. ft. per gallon
Non-Toxic • Non-Hazardous • Environment Safe • VOC .06%
Paintable/Stainable/finishable (with water-based products only)
Apply 45-95° F • Store above 45° F

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.

Field Testing:

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.

Finishing: Use a water based, non-acrylic, non-satin finish. FX Lumber Guard needs to be dry before any top coating material is used. When applying a finish, test a small area first to make sure the surface is dry enough and the results are what you want. If gumming or balling of the topcoat is present that means FX Lumber Guard is not dry enough for top coating.

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.



intertek
Total Quality. Assured.



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