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## **PRODUCT DATA SHEET**

### **FIREX-FS II Clear Exterior/Interior Wood Fire Retardant**

**Description:** FS II is a post-treatment exterior/interior fire retardant and preservative. This product dries clear. When used on porous woods such as Douglas fir or Pine, it will provide a Class A rating. FS II penetrates wood and becomes part of its molecular structure, it also closes wood pores making them insoluble to water, therefore it can be said that this product is a wood preservative. This product contains proprietary vinyl-copolymer latex that will protect the fire retardant from exterior weather for up to ten years and a minimum of 5 years. When the treated material is subjected to an open flame, the retardant will pyrolitically self-extinguish fire with minimum smoke. FS II is completely non-toxic, non-hazardous and easy to apply.  
Basic Uses: FS II should be used for exterior/interior applications such as: most porous woods, cedar shake shingles for preservative and fire retardant.

**Advantages:** Class A one coat system. 25 Flamespread, 25 Smoke- Development. Since FS II penetrates and becomes part of the substrate, the life of the flame retardancy is indefinite if interior, if exterior we recommend retreatment after 5 years. FS II is user friendly, water-based and non-toxic. This product dries clear and may be coated with most latex coatings or latex stains, after the product has cured for a minimum of 24 hours. Humidity, rain and moisture is not an issue after FS II has cured and if applied properly due to its unique polymer bond for an indefinite time interior and a minimum of 5 years exterior. Most fire retardants that are thick paints will deteriorate over time because they do not become part of the wood. This product will not alter the structural integrity of the wood like pressure treatment does.

**Limitations:** Do not dilute. Storage range: 110 degrees F. to 45 degrees F. Shelf Life: 1 year if kept within storage temperatures. We suggest a small compatability test. Moisture content should be 8%-19% before treatment. Woods that have a low moisture content may need to be treated with a heavier coverage.

**Applicable Standards:** FS II has been tested to the following standards:  
ASTM E-84, NFPA 255, UL 723, US Testing #LA 62466, Omega Point Laboratories #8746-108578, California Registration # C-256.01, LA Approval, RR#25420 and CSI#09960.

**Warranty:** This product is sold on condition that the user will evaluate them to determine their suitability for his purpose. We warrant that each quantity of FS II will be the kind designated and free of defects and no other warranty is implied since we have no control over the application.

#### **TECHNICAL SUPPORT**

Total Solids: 15%

Color: White (cures clear)

Fungus: Good Resistance

Insects: Excellent resistance

Corrosive: Mildly corrosive on unplated steel

Mold: Excellent Resistance

Wt. Per Gallon: 9.5 lbs.

Solvents: Water

Volatility: none

Toxic: No

Average PH: 5.0

Bacterial: Good Resistance

Biodegradable: Yes

Linear Shrinkage: None