

# FLAME STOP® II

## PRODUCT DATA SHEET

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### **DESCRIPTION:**

Flame Stop II is a water-based, post-treatment, interior/exterior fire retardant, and wood preservative that penetrates the material and bonds with the cellular structure. The penetrant protects the substrate by developing a self-extinguishing reaction when the treated material comes in contact with an open flame. When properly applied on certain untreated woods such as Douglas fir, the wood shall have a Class A rating. Flame Stop II contains polymers that maintain the fire retardation for up to five years for exterior applications. Flame Stop II is non-toxic, non-combustible, non-carcinogenic, easy to apply, and contains no PDBE's.

### **BASIC USES:**

Flame Stop II protects exterior and interior woods such as: porous woods, cedar shake shingles, decking, and structural lumber.

### **ADVANTAGES:**

Flame Stop II is a Class A, one-coat system with a Flame Spread of 25 and Smoke Developed of 25 on Douglas fir. Since Flame Stop II penetrates and forms a molecular bond with the substrate, the life of the flame retardation shall be indefinite for most interior applications. For exterior applications, it is recommended that the Flame Stop II be reapplied after five years. Flame Stop II will not alter the structural integrity of wood, such as pressure treatment does, and is preferred, because it is user-friendly, functions as a wood preservative, dries clear, and can be easily applied by spraying, immersing, brushing, or rolling. Flame Stop II contains mold and mildew inhibitors which are effective against black mold. Once cured for 48 hours, the treated material may be painted with most latex-based paints.

### **LIMITATIONS:**

Storage Range: 45 – 110 degrees Fahrenheit (7 – 43 Celsius)  
Shelf Life: One year, if kept within storage range.  
A compatibility test is strongly recommended.  
Moisture content should be 5 – 15% before treatment.  
Do not dilute.

### **TECHNICAL SUPPORT**

**Total solids:** 15%

**Wt per gallon:** 9 Lbs.

**Average ph:** 7.0

**Color:** White - cures Clear

**Solvents:** Water

**Bacterial:** Good  
resistance

**Fungus:** Good  
resistance

**Volatility:** None

**Toxic:** No

**Biodegradeable:** Yes

**Corrosive:** Mildly corrosive  
on unplated steel

**Linear shrinkage:** None

**Insects, rodents  
and mold:** Excellent  
resistance