

# PRODUCT DATA SHEET



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CHEMICAL NAME:  
**FLAME STOP II**™



TESTED BY:  
**U.S. TESTING COMPANY INC.,  
OMEGA POINT LABORATORIES**

## DESCRIPTION:

Flame Stop 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**. Flame Stop II **penetrates wood and becomes part of its molecular structure** next, the product closes wood pores making them **insoluble to water** therefore it can be said that this product is a **wood preservative**. This product contains FR Polymers that will protect the fire retardant from exterior weather for up to 10 years and a minimum of 5. When the treated material is subjected to an open flame, the retardant will **pyrolytically self-extinguish fire with minimum smoke**. Flame Stop II is completely **non-toxic, non-hazardous and easy to apply**.

## BASIC USES:

Flame Stop 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 developed.** Since Flame Stop II penetrates and becomes part of the substrate, the life of the flame retardancy is **indefinite** if interior, if exterior we recommend re-treatment after 5 years. Flame Stop 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 Flame Stop 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**. Flame Stop II is often chosen because it is non-toxic, dries clear, **easy (spray, brush or roll) application and is an excellent wood preservative**.

## 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 compatibility 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:

Flame Stop II has been tested to the following standards:  
ASTM E-84, NFPA 255, UL 723: U.S. Testing #LA 62466, Omega Point Laboratories #8746-108578  
California Registration #C-14401, LA Approval, RR #25420 CSI #09960

## APPLICATION:

Flame Stop II should be applied as is by spraying or immersing. Use low pressure spray equipment, brush or roll. Apply at the rate of 125 square feet per gallon. If spraying in a vertical surface where runoff could occur, multiple applications are allowed, wait until the first coat has penetrated (1-2 hrs.) and begin next application. One coat is considered a 24 hour cure period, the only time that multiple coats may be required is on woods that have a moisture content below 8% or if runoff is an issue. To obtain a class A rating the entire coverage rate of 125 square feet per gallon must be applied to wood with no runoff.

**\*\*\*\*After treatment a 24 hour conditioning period is necessary before testing\*\*\*\***

FLAMESPREAD 25 AND SMOKE DEVELOPED 25

## WARRANTY:

This product is sold on condition that th   
Stop II

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## Technical Support

<i>Total Solids:</i>	15%
<i>Wt Per Gallon:</i>	9.5 lbs..
<i>Average pH:</i>	5.0
<i>Color:</i>	white (cures clear)
<i>Solvents:</i>	water
<i>Bacterial:</i>	good resistance
<i>Fungus:</i>	good resistance
<i>Volatility:</i>	none
<i>Toxic:</i>	no
<i>Biodegradeable:</i>	yes
<i>Corrosive:</i>	mildly corrosive on unplated steel
<i>Linear Shrinkage:</i>	None
<i>Insects, Rodents and mold:</i>	Excellent Resistance