FLAME STOP® II
PRODUCT DATA SHEET

FLAME ⚡ STOP INC.™
1-877-397-7867

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-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

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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 Class A Rating.

APPLICATION:

Ensure that all materials are clean prior to application. Apply Flame Stop II as is by spraying, brushing, rolling, or immersing at the rate of 125 square feet per gallon. If spraying onto a vertical surface where runoff could occur, multiple applications may be necessary. When doing multiple coats, wait until the first coat has penetrated before beginning the next application. One coat will require a 48-hour curing period. For spray application, use a .012 tip size and a low-pressure airless sprayer.

**** After treatment a 48-hour conditioning period is necessary before testing ****

TESTING:

A small-scale test can be preformed with the utilization of a sample of the treated material and a small flame (butane lighter or match). Hold a 4" x 12" piece of the treated material vertically and apply the flame to the lower portion for 10 seconds, and then remove the ignition source. The flame must self-extinguish within two (2) seconds. This test is similar to the small-scale NFPA 701 field test.

FLAMESPREAD 25 AND SMOKE DEVELOPED 25 PER ASTM-E84 February, 2010

NOTES:
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WARRANTY:

Seller's and manufacturer's only obligation shall be to replace such quantity of the product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or consequential, arising out of the use or the inability to use the product. Before using, user shall determine the suitability of the product for his intended use, and user assumes all risk and liability whatsoever in connection therewith.