

# Product Data Sheet



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**PO Box 531  
Derby, KS 67037**

**Chemical Name:**

## Flame Stop III

**Tested By:**

U.S. Testing Company Inc., Omega Point Labs,

### Description:

Flame Stop III is pyrolytic fire retardant paint additive and prevents the spread of flames by developing a self-extinguishing reaction. This product mixes into most water-based paints, stains, sealers etc. Flame Stop III is sold in pint bottles and 55 gallon drums. Once mixed, the product assumes the characteristics of the paint. **ALL FLAME STOP PRODUCTS ARE NON-TOXIC, NON HALOGENATED, CONTAIN NO FORM OF BROMINE AND CONTAIN MOLD AND MILDEW INHIBITORS WHICH ARE EFFECTIVE AGAINST BLACK MOLD**

### Basic Uses:

Flame Stop III should be used in water based coatings for wood, drywall, etc..

### Advantages:

Class A one coat system. Flamespread 0, Smoke Developed 0. Flame Stop III can extend paint up to 3 pints (including one pint Flame Stop III and 2 pints of water) once mixed. Flame Stop III assumes the characteristics of the paint. This product is clear, non-toxic and has no odor.

### Limitations:

We suggest conducting a test utilizing one pint of Flame Stop III and adding sufficient water to arrive at an acceptable viscosity. Some paints contain an unusual amounts of hydrocarbons which will make the mixed product coagulate or curdle (this is a rare occurrence)..

### Applicable Standards:

Flame Stop III has been tested to the following standards: ASTM E-84, NFPA 255, UL 723, US Testing #LA62142, Omega Point Labs #8746-101530, California Reg. #C-14401.

### Application:

**Mixing:** Add one pint of Flame Stop III while mixing paint slowly. **DO NOT USE HIGH SPEED DRILL MIXER.** A chemical reaction will take place and the coating will become thick. Add up to 2 pints of water for desired viscosity, however **do not add more than 2 total pints of water to maintain fire rating.** Flame Stop III should be mixed when ready to apply. **If mixing water based varnishes,** add 2 pints of water to varnish first and mix, then add 1 pint of Flame Stop III. Use within 24 hrs.

If paint mixture curdles, 1) The mixture does not have enough water added, or 2) the paint itself has a high level of hydrocarbons and cannot be used with Flame Stop III.

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

**Flame Spread: 0 Smoke Developed 0**

### Technical Support

<b>Total Solids:</b>	<b>52%</b>
<b>Wt. Per Gallon</b>	<b>12.5 lbs.</b>
<b>Average pH:</b>	<b>5.5</b>
<b>Color:</b>	<b>Clear</b>
<b>Solvents:</b>	<b>Water</b>
<b>Bacterial:</b>	<b>Good Resistance</b>
<b>Fungus:</b>	<b>Good Resistance</b>
<b>Volatility:</b>	<b>None</b>
<b>Toxic:</b>	<b>No</b>
<b>Biodegradable:</b>	<b>Yes</b>
<b>Corrosive:</b>	<b>Mildly on Unplated steel</b>
<b>Linear Shrinkage:</b>	<b>None</b>
<b>Insects, Rodents, and mold:</b>	<b>Excellent resistance</b>

**Warranty:** This product is sold on condition that the user will evaluate them to determine their suitability for their purpose. Flame-Block of Kansas & Flame Stop, Inc. warrants that each quantity of Flame Stop I will be the kind designated and free of defects and no other warranty is implied since we have no control over the application.

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