



PRODUCT DATA SHEET  
**FX-100™**

## FIRE RETARDANT COATING

### FLAMESEAL, LLC.

9420 Knight Road  
Houston, TX 77045 USA

713-668-4291 (office)  
713-668-1724 (fax)

FX-100 is a proprietary resin designed specifically as an Intumescent Safety Coating. FX-100 is mainly designed for interior applications, but can be used in some exterior applications with a water proof top coat. The product can be applied over most surfaces to form a protective fire retardant layer. When the coating is exposed to fire or extreme heat, a thick, protective layer of foam and carbon char develops, isolating the substrate from the fire.

### APPLICATION

FX-100 is not waterproof or UV resistant. If the product is applied on exterior surfaces or high humidity interior applications, a water proof top coat must be applied to ensure the long-term protection of the system.

Properly applied FX-100 provides Class A or Class B protection. FX-100's Class A rating was achieved at 7.64 wet mils on Douglas Fir. A slightly modified version passed the U.L. V 94.0 test on PVC.

The product may be used on most surface types as long as the product adheres to the substrate. It is recommended that a small sample be tested for adhesion prior to full-scale application.

FlameSeal also has a non-flammable primer/tie coat (ADH-1) available for helping FX-100 stick to hard-to-adhere-to surfaces, such as plastics.

### APPLICATION CONDITIONS

Air Temperature: 50F-90F (10C-32.2C)

Humidity Range: 35%-70%

Surface Temperature: 60F-90F (15.6C-32.2C)

Application Product Temperature: 60F-90F 15.6C-32.2C)

### MADE IN THE U.S.A.

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Registered in the US Patent & Trademark Office.

Rev. 04/13/2026



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### PACKAGING AND HANDLING

FX-100 is a two-part product sold as a single unit to allow for easy use. FX:100 is packaged in a mixable vessel and an additional container of T-50 curing agent.

### PACKAGING CONFIGURATION:

- 1 gallon kit: one gallon bottle containing 0.8 gallons FX-100 resin and one quart bottle containing 0.2 gallons T50.
- 5 gallon kit: five gallon bottle containing 4 gallons of resin and one gallon bottle containing 1 gallon of T50.
- 55 gallon kit: 55 gallon drum containing 44 gallons of resin and one bottle containing 11 gallons of T50.
- Refer to MSDS for proper handling.

### STORAGE CONDITIONS

Temperature Range - 40°F to 90°F.

### SHELF LIFE

One year from date of manufacture.

### WARRANTIES

Products are guaranteed to perform their fire retardant function as represented by third party tests, if applied according to manufacturer's published instructions. Products may not be diluted or altered prior to use.

\*There are no other warranties either expressed or implied since FlameSeal, LLC. cannot control the actual application of the products. Users must determine usability and suitability for their particular requirements, as well as compatibility with the exact materials to be treated or coated.

#### TYPICAL ANALYSIS

<b>Total Solids</b>	63 – 67%
<b>Weight per Gallon</b>	11.1 – 11.5 lbs
<b>Specific Gravity</b>	1.34 – 1.39
<b>pH</b>	2.5 – 3.5

Product contains no PBDE's (Polybrominated Diphenyl Ethers) or petroleum derivatives.

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