



FIRE RETARDANT COATING

FX-100™

PRODUCT DATA SHEET

INTRODUCTION

FX-100™ is a proprietary resin designed specifically as an Intumescent Safety Coating. FX-100 can be applied over most surfaces to form a protective fire retardant layer over substances such as wood, some plastics, and other combustible substrates with low ignition temperatures. When the coating is exposed to fire or extreme heat, a thick protective layer of foam and carbon char develops. This foam char provides a functional fire barrier, protecting the substrate against heat and flame. FX-100 is mainly designed for interior applications, but can be used in some exterior applications with a water proof top coat.

APPLICATION

Thoroughly mix FX-100 with T-50 prior to use. Ensure surface is free of debris, grease, and/or other particles. FX-100 may be applied via brush, roller, or spray.

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 used to ensure the long-term protection of the system. Test a small area before applying a top coat over the project.

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.

Flame Seal Products also has a non-flammable primer/tie coat (ADH-1) available with FX-100 to stick and adhere to certain surfaces such as plastics.

PACKAGING

1 Gallon kit:

one gallon bottle containing 0.8 gallons FX-100 resin and one quart bottle containing 0.2 gallons of T-50.

5 Gallon kit: Five gallon bucket with 4 gallons of resin and one gallon bottle of T-50.

55 Gallon kit: 55 Gallon drum containing 44 gallons of resin and one bottle containing 11 gallons of T-50.

STORAGE CONDITIONS

Store sealed in temperatures between 40-90 degrees fahrenheit.

SHELF LIFE

One year from date of manufacture.

WARRANTIES

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

TYPICAL ANALYSIS

Total Solids **63-67%**

Weight per Gallon **11.1-11.5 lbs**

Specific Gravity **1.34-1.39**

ph **2.5-3.5**

Product contains no PBDE's [Polybrominated Diphenyl Ethers].

*THERE ARE NO OTHER WARRANTIES EITHER EXPRESSED OR IMPLIED SINCE FLAME SEAL PRODUCTS 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.

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