



INTUMESCENT FIRE RESISTIVE MATERIAL

FLAME SEAL 84 FS84

PRODUCT DATA SHEET

Description

Flame Seal 84 (FS84) is a low-VOC water-based intumescent fire resistive material that is applied to lumber, plywood, OSB, Gypsum and other building materials. When FS84 is exposed to fire or extreme heat, a protective layer of Carbon Foam develops and prevents fire and heat from transferring to the substrate. FS84 has a wide range of certifications to meet building codes domestically, internationally, and for the Wildfire Urban Interface. FS84 has a smooth, white architectural grade finish and is tested in accordance to ASTM E 119 & CAN/ULC S101.

TESTING

ASTM E84 **CLASS A**

CAN/ULC S102 **CLASS A**

ASTM 2768(30 MIN) **PASS**

ASTM E119 **2 HOURS**

CAN/ULC S101 **2 HOURS**

Application

FS84 can be applied using an airless sprayer, brush, or roller. Apply at the appropriate coverage rate for your specific application. Use a Wet Mil gauge to check for proper millage. Measure environmental conditions before and during application process. Conditions such as temperature, humidity, and dew point can effect application. Always wear proper clothing and apply the product in a well ventilated area. The product should not be top coated without the express written approval of Flame Seal Products. Smooth surfaces may require a primer for improved adhesion. Visit flameseal.com or refer to our application guide for specific application rates and conditions for your project.

Recommended Uses

FS84 reduces the surface burning characteristics of various interior substrates and can be used on exterior applications when covered by siding or cladding. FS84 can be used in Schools, Nursing Homes, Child Cares, Hospitals, Institutions, Apartments, Hotels, Factories, Warehouses, Stores, Restaurants, Transportation Companies, Oil and Chemical Buildings, Military Facilities, and other facilities where fire retardant coatings are required.

PACKAGING & HANDLING

FS84 is available in:
5 Gallon Pails
55 Gallon Drums

TYPICAL ANALYSIS

Total Solids **72% +/- 3%**

Weight per Gallon **12.5 lbs**

Specific Gravity **1.30-1.40**

ph **7.5-8.5**

VOC **Low VOC**

Refer to SDS for proper handling

STORAGE CONDITIONS

- Temperature Range: 40 - 90 °F
- One year shelf life from manufacture date.

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