



FIRE RETARDANT COATING

# FLAME SEAL TB-C™

## PRODUCT DATA SHEET

**Flame Seal TB-C™** (TB-C) is a spray applied thermal barrier coating designated as a protective covering for polyurethane foam plastic in Canada. TB-C is tested under the CAN/ULC S124-06, and CAN/ULC S145 meeting thermal barrier requirements for Canadian code standards.

Flame Seal TB-C™ is an intumescent coating, which creates a protective layer of Carbon Foam when exposed to fire or extreme heat, thus blocking the fire and preventing heat from transferring to the foam insulation. TB-C comes in white, drying to a semi-gloss sheen.

### TYPICAL ANALYSIS

Total Solids **60 +/- 2%**

Weight per Gallon **11.1 - 12.0 lbs**

Specific Gravity **1.34 - 1.44**

VOC's **10 g/l**

ph **2.5 - 3.5**

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

### APPLICATION

Flame Seal TB-C™ is a two part coating system. The mix ratio is 4 parts resin to 1 part curing agent, by volume. Application training is available from Flame Seal Products or a by its recommend distributor for Flame Seal TB-C™ in Canada.

TB-C is packaged for convenience in configurations to allow the cross linker to be mixed directly into the resin container prior to use. Once TB-C is well mixed the product should be applied via airless sprayer. The product must be given sufficient time to properly cure. Proper environmental conditions - particular the dew point and humidity guidelines, must be maintained during both the application and curing processes. Please review the Applicator training material for specifics.

### PACKAGING CONFIGURATION

- **5-gal kit:** 4 gallons of resin (in 5 gallon pail) and a one gallon bottle of cross linker

Refer to MSDS for proper handling.

### STORAGE CONDITIONS

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

### TESTING

Meets CAN/ULC S124-06, CAN/ULC S145, and ASTM E84 Standards

### 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 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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