



FIRE RETARDANT COATING

# FLAME SEAL TB™ THERMAL BARRIER COATING

## PRODUCT DATA SHEET

Flame Seal TB™ Thermal Barrier Coating (FS-TB) is a two-part coating designed for use as a fire retardant coating over Spray Foam Insulation for interior applications.

The product can be applied over most foam brands. Please check certification information for details. The product has been certified as both Thermal and Ignition Barriers.

When FS-TB is exposed to fire or extreme heat, a protective layer of Carbon Foam develops and prevents the fire and heat from transferring to the foam insulation. FS-TB comes in White, Light, Medium, Dark Grey and Black.

### TYPICAL ANALYSIS

Total Solids **61 - 66%**

Weight per Gallon **11.1 - 12.0 lbs**

Specific Gravity **1.33 - 1.45**

VOC **10 g/l**

ph **2.5 - 3.5**

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

### APPLICATION

Flame Seal-TB™ is for professional use only. It should only be applied by Flame Seal Products Certified applicators. Warranty requires completing an applicator training program.

Flame Seal-TB™ is a two-part system packaged in configurations to allow the cross linker to be mixed into the resin container prior to use. Once FS-TB is well mixed the product can be applied via brush, spray or roller. The product must be given sufficient time to properly cure. Proper care of the environmental conditions must be taken before, during the application and during the curing process. Please review the Applicator training for specifics.

The product should not be top-coated without express written approval by Flame Seal Products to ensure the coating complies with certification requirements. Properly applied FS-TB can provide UL-1715 certification.

The product may be used in most SPF applications. However, special precautions should be taken for use in Coolers, Freezers or high humidity environments.

### PACKAGING & HANDLING

FS-TB is a two-part product available in two kit configurations to allow for easy mix and use, which includes:

- **5 gal kit:** 4 gallons of Resin (in 5 gallon pail) and a one gallon bottle of cross linker
  - **50 gal kit:** 40 gallons of resin (in 55 gallon drum) and 2-5 gallon bottles of cross linker
- Refer to SDS for proper handling.

### STORAGE CONDITIONS

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

### 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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