



Flame Seal Products, Inc.
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Flame Seal-TB™ Fire Retardant Thermal and Ignition Barrier Coating Over Premium Spray Foam Product Data Sheet

Flame Seal-TB is a water-based, two-part coating designed for use as a fire retardant coating over Premium Open and Closed Cell SPF.

This product is independently certified as both a Thermal and Ignition Barrier coating under ICC AC-377 and IBC 2603.

Application Specifications

Thermal Barrier	Wet mils	Dry mils	ft ² gal
Fomsulate™ 210	24 mils	15 mils	67
Fomsulate™ 50 B	30 mils	19 mils	54

Ignition Barrier	Wet Mils	Dry Mils	ft ² gal
Fomsulate™ 50 B	4 mils	3mils	400

When Flame Seal-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. Flame Seal-TB comes in White, “Light” “Medium” and “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’s	10 g/l
pH	2.5 – 3.5

Product contains no PBDE’s (Polybrominated Diphenyl Esters) or petroleum derivatives.

Application Details

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 Flame Seal-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 to ensure the coating complies with certification requirements. Properly applied Flame Seal-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 and Handling

Flame Seal-TB is a two-part product available in several packaging configurations to allow for easy mix and use. The product is available in a 5 gallon or a 25 gallon kit.

Refer to MSDS for proper handling.

Storage Conditions

Temperature Range - 40F to 90F.

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 Flame Seal Products, Inc. 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.