



PRODUCT DATA SHEET  
**FLAME SEAL**  
**TB-C™**

## FIRE RETARDANT COATING

### STAR COATING

Div. of Star Machine  
8732 Birchwood Road  
Oxford, Nova Scotia

844-255-9500 Toll Free

### TYPICAL ANALYSIS

|                   |               |
|-------------------|---------------|
| Total solids      | 61-66%        |
| 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.

At last, a *fully approved* Intumescent Thermal Barrier Coating over Spray Foam insulation for the Canadian market!

Flame Seal TB-C is an attractive coating which is easy to apply and has successfully passed CAN/UL 124-06 and qualifies under 3.1.5.12 of the Canadian National Building Code. TB-C is the only intumescent coating in Canada which meets this standard.

TB-C provides many benefits for the Architect, Contractor and customer. TB-C is an extremely attractive impact resistant coating with a semi-gloss finish. TB-C is easy and fast to apply, and requires minimal after project clean-up. Perhaps most important, TB-C is very popular with the end customer both in terms of its aesthetics and low cost of ownership.

TB-C is a spray applied thermal barrier coating designated as a protective covering for polyurethane foam plastic in Canada. 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.

### APPLICATION

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 provided by Star Coatings.

TB-C is packaged with our *quick mix system* which ensures accuracy and mixes in the same amount of time as latex paint. TB-C should be applied via airless sprayer.

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### PACKAGING CONFIGURATION

5-gallon kit: one 5-gallon pail containing 4 gallons of Resin and one gallon bottle of cross linker.

25 gallons kit: one 25 gallon drum containing 20 gallons of Resin and 1 – 5 gallon bucket of cross linker.

Refer to MSDS for proper handling.

### STORAGE CONDITIONS

Temperature Range: 4<sup>0</sup>C to 32<sup>0</sup>C

### 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.

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