



Fire Technology To A Higher Power

TPR² Fireshell[®] BMS TC The one step solution over Polyurethane Spray Foam to achieve “15 Minute Thermal Barrier”

TPR² Fireshell[®] BMS TC has passed certified testing to the **latest** 2011 NFPA 286 revision, 2009 IBC 803.1.2, and meets NFPA 101 life safety code.

TPR² Fireshell[®] BMS TC provides the solution with our new cutting edge, latex based coating. It is as easy to apply as common latex paint. **TPR² Fireshell[®] BMS TC** satisfies code compliance on “15 Minute Thermal Barriers” “Interior Wall Requirements” with the following benefits:

- **NFPA 286 Thermal Barrier – up to 90 ft²/gal @ 14 mils dry on CC & 83 ft²/gal@12mil dry on OC foam**
- **Reduced labor cost, reduced material cost and higher profits**
- **Approved to NFPA 101 “Life Safety Code” for all fifty states**
- **Rated at no mold growth per ASTM D-3273-05 & ASTM D-3274-02**
- **Fast turnaround time**
- **Easily applied with a sprayer, brush or roller**
- **No complicated mixing- just stir the paint before application**
- **No waste**
- **Fast and easy water clean up of our water based latex product, tools & equipment**
- **Will not gum up or block spray equipment**
- **Passed strict EPA – VOC and AMQD tests**
- **Non Toxic, Low Vapors, Lowest VOCs**
- **No Formaldehyde**
- **One year shelf life**
- **Approved for Plenums**
- **Certified Code Compliant Coating for SPF**

RECOMMENDED USES: This product is designed for use on interior polyurethane foam surfaces

USED BY: Schools, Colleges, Nursing Homes, Child Care Centers, Hospitals, Penal Institutions, Apartments, Hotels, Factories, Warehouses, Retail Stores, Restaurants, Utilities, Railroad and other Transportation Companies, Oil and Chemical Installations, Military Installations, and other facilities where fire retardant coatings are required.

LEEDS: Depending on the project and location, up to 7 LEED credits available.

PRECAUTIONS: Adequate ventilation must be provided during and after application until the coating has dried. Can be fan dried to speed drying where good airflow exists(new construction). True ventilation and dehumidifying should

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be used in renovation work, poor circulating areas, and/or high humidity. Avoid breathing vapors or spray mist. Close container after use.

Read MSDS before opening containers.

SURFACE PREPARATION: Can be applied directly to fully cured polyurethane foam surfaces. All surface preparation should be carried out in accordance with good painting practices. Remove all loose, peeling or powdery existing paint from the surface. All dirt, grease, oil, wax, and other foreign matter MUST be removed with a detergent, rinse surface thoroughly with clear water, and allow drying.

APPLICATION EQUIPMENT: BMS TC can be applied by brush, roller or air/airless sprayer.

Brushing: Use lesser quality polyester/nylon blend brushes.

Rolling: 3/8" polyester blend nap roller covers generally work well.

Spraying: For best results use at least a Graco 695 or equivalent airless sprayer, with a minimum maintained 2000 PSI

- Tip: Graco 286 or LTX .025 - .029, or equivalent depending on sprayer.
- Filter: 30 mesh maximum in gun and manifold
- Hose: Use minimum size of 3/8" airless spray line for the first 50' from pump.

Airless Spray:

- Fluid Pressure(at tip):1800-2200 PSI or greater
- Filters:30 Mesh
- Fluid Hose:3/8 diameter with a 1/4" whip

Conventional Spray

- Air Supply..... 12 CFM, 50 psi at nozzle
- Pressure tank.....20psi
- Gun. Binks 2001 w/Pressure Pot
- Type External Mix
- Air flow.....40psi

APPLICATION: Stir thoroughly, strain and apply WFT per test. Do not apply in temperatures below 50°F (10°C). Warming the coating improves crack and void filling.

CHARACTERISTICS

- Color** Off-White, Charcoal Black – Can be custom tinted for 100 gallons or more
- Coverage Rate** For 15 minute Thermal Barrier up to 90 sq. ft./gal @ 26 mils wet and 14 mils dry
- V.O.C.** (<1 g/l)
- Volume Solids** ~60%
- Drying Time @ 77°F & 50% RH:**To touch ¾ hour, to recoat 2 hours depending on conditions
- Type of Cure** Coalescence
- Flash Point.** None
- Reducer/Cleaner** Water
- Shelf Life** One year opened or unopened
- Packaging.** 5 & 55 gal. Containers
- Shipping weight.** 11 lbs / gallon
- Application** Brush, roller, conventional and airless spray

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