



## **NEW Fireproofing Coating Technology!!!**

**TPR<sup>2</sup> Fireshell™ F10E** The one step solution over Polyurethane Foam to achieve “15 Minute Thermal Barrier” and “Ignition Barrier” ratings.

**TPR<sup>2</sup> Fireshell™ F10E** has passed certified testing for both the **NFPA 286 (AC-377 standards) 15 minute Thermal Barrier** and the **NFPA 286 (AC-377 standards) as an Ignition Barrier**.

**TPR<sup>2</sup> Fireshell™ F10E** provides the solution with our new cutting edge, latex based coating. It is as easy to apply as common latex paint. **TPR<sup>2</sup> Fireshell™ F10E** satisfies code compliance on “15 Minute Thermal Barriers” “Interior Wall Requirements” and “Ignition Barriers” with the following benefits:

- **NFPA 286 Thermal Barrier – See coating matrix for specific ft./gal & mils thickness**
- **AC377 Attic, Crawl Space Ignition Barrier- See coating matrix for specific ft./gal & mils thickness**
- **The ONLY US owned company to have NFPA 286 approved product**
- **Provides best ‘Yield in the field’**
- **Approved to NFPA 101 “Life Safety Code” for all fifty states**
- **Easily applied with a sprayer, brush or roller**
- **No complicated mixing- just stir the paint before application**
- **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 listed**
- **Non Toxic, Low Vapors, Lowest VOCs**
- **No Formaldehyde**
- **One year shelf life**
- **Certified Code Compliant Coating**

**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, up to seven LEED credits available

**PRECAUTIONS:** Adequate ventilation must be provided during and after application until the coating has dried. Avoid breathing vapors or spray mist. Close container after use. See MSDS.

**SURFACE PREPARATION:** Can be applied directly to fully cured polyurethane foam surfaces, with ambient core temperatures. All surface preparation should be carried out in accordance with good painting practices. 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:** F10E can be applied by brush, roller or air/airless sprayer. Airless spray provides the best coverage rates.

**Brushing:** Use top quality polyester/nylon blend brushes such as those supplied by Purdy, Wooster, or equivalent.

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

**Spraying:** For best results use at least Graco 795 or equivalent, with a minimum 2000 PSI tip pressure

#### **Airless Spray:**

- Fluid tip Pressure: .....2000 PSI or greater at tip
- Strainer: .....30 Mesh
- Fluid Hose: .....3/8 diameter line for the first 50' from pump with a 1/4" whip
- LTX Tip: .....021 - .025

#### **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

**CHARACTERISTICS: See properties page for specific product**

**APPLICATION:** -Do not apply in temperatures below 50°F (10°C). Space should be closed off/conditioned.

1. **Read MSDS before opening containers.**
2. As a minimum, Always use safety goggles and NIOSH mask (ex. 3M 6300)..full breather setups from foam application acceptable.
3. Mix well before each use with drill mixer
4. Use nothing finer than a 30 mesh gun & machine filter. Keep rock screen on suction tip
5. Set the pressure to maintain 2200-2500 head pressure at tip
6. Use 3/8" lines on the spray machine.
7. Assemble spray tip and tip holder to gun.
8. Apply coupons to the foam wall surface at random locations to monitor wet film thickness.
9. Start cross ventilation equipment. Dehumidify if humidity gets above 50%rh, especially renovation work where unvented attic space will trap moisture.
10. Spray as many practice passes on a non porous, flat surface until your tempo consistently gives you the required wet film thickness when checked with wet film gage. If unsure how to use wet film gage, print out TPR2 measuring instructions found here:

<http://www.tpr2.com/directions/coatingmeasurements.pdf>

11. Transfer your spraying technique to the foam wall, starting right at several coupons to insure adequate thickness. Continue monitoring with coupons while spraying
12. Maintain sprayer pressure of 2200psi minimum at tip during spraying
13. Check filters often, every 55 gals minimum
14. **Drying Time @ 77°F & 50% RH:** .To touch 1 hour, to recoat 2 hours depending on conditions
15. Monitor humidity and maintain cross ventilation and/or dehumidification. Full cure could take up to 3 weeks in cool , damper conditions.

NOTE: Dryer, warmer conditions & air movement speed up drying times. Cross ventilation should be running during and after spraying for at least 24 hr or until humidity is back to ambient(<50%) and coating is fully dry.