**Fireshell® F1EP**

**INTUMESCENT BARRIER COATING** for wood, lumber, timber

Volatiles/VOC(g/l): Below 50 g/l -meets SCAQMD & EPA

Flame Spread & Smoke (as per ASTM E84): **Class A (<25fs, <50s)**

Solvents, Toxicity: None, water based, non-toxic

Environmental Impact: Green product (as per [http://www.greenguide.com](http://www.greenguide.com))

Weight Per Gallon: 10.9lbs +/- .3lb

Colors: primer gray & brown-customs available

Wet film/ dry film ratio: 25 mils dries to 15 mils per coat, nominal

Coverage rate: up to 85 ft2/gal @15dft(non porous substrate), less on new wood or porous wood.

Dry Times: 3-4 hrs at optimal conditions, see Drying Conditions below

Recommended Equipment:
- Airless: Graco 695 -2200psi at tip w/3/8” line
- Gun: Graco HD texture gun p/n 241705
- Tips: .521 to .525

Sag Resistance: 35 mils+ walls, 20 mils+ on ceilings (for reference)

Mold & Fungus Resistance: Per ASTM 3273-Excellent

Spraying Temps: 60°-95° F ambient, coating must be kept above 60° F

Container sizes: 5 gallon pails or 55 gallon drums

Shelf Life: 1 year from date of manufacture, store above 45° F

Drying Conditions: -drying times will be affected at 60%rh or greater
-do not coat at >65%rh, correct drying will not occur
-exterior coat only when several clear days are forcast

Washability: Meets ASTM D2486 Scrub Resistance 370 cycles
Passes ASTM D4585 Moisture Resistance, 100 hours

See spray procedures, safety, certifications, test reports and MSDS at [www.tpr2.com](http://www.tpr2.com)