



Fireshell® F1E FIRE BARRIER INTUMESCENT COATING & VAPOR BARRIER

Volatiles/VOC (g/l):	Below 50 g/l 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)
Weight Per Gallon:	11.0lbs +/- .3lb
Colors:	Gray
Application Time:	As Soon As 2 Hours of Foam Core At Ambient
Dry Times:	To touch - 90min, 1-2 hrs between coats, 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 Temp:	55°-95° F ambient interior, coating <u>must</u> be kept above 62° F
Container Sizes:	5 gallon pails or 55 gallon drums
Shelf Life:	1 year from date of manufacture, store above 45° F
Drying Conditions:	See www.tpr2.com "ventilation procedure" -cross ventilation always required -mechanically dehumidify if 60%rh or greater is present -fully cures in 3 weeks
Washability:	Meets ASTM D2486 Scrub Resistance > 370 cycles Passes ASTM D4585 Moisture Resistance, 100 hours

Recommended WFT-DFT, coverage rates, wall & ceiling foam thicknesses:

Foam	WFT mils	DFT mils	SF/gal	Wall	Ceiling
Quadfoam 500 as primer	9	5	190	11"	13 ½"
As Vapor Barrier	34	20	*		

- dependent on substrate composition

See spray procedures, safety, certifications, test reports and MSDS at www.tpr2.com