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 must 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:

<table>
<thead>
<tr>
<th>Foam</th>
<th>WFT mils</th>
<th>DFT mils</th>
<th>SF/gal</th>
<th>Wall</th>
<th>Ceiling</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quadfoam 500 as primer</td>
<td>9</td>
<td>5</td>
<td>190</td>
<td>11”</td>
<td>13 ½”</td>
</tr>
<tr>
<td>As Vapor Barrier</td>
<td>34</td>
<td>20</td>
<td>*</td>
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- dependent on substrate composition

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