## Selection & Specification Data

**Generic Type**
A water-based intumescent coating that consists of a vinyl acetate resin.

**Description**
A decorative, thin-film intumescent coating designed for fire protection of Gypsum and Wood applications for interior use requiring ASTM E119/UL 263/ULC CAN S-101 & ASTM E84/UL 723 compliance.

**Features**
- Tested to ASTM E119 / UL 263 standards
- Decorative aesthetic coating - provides a hard, durable, architectural finish.
- Well suited for residential and commercial applications
- Space saving- ideal for applications when additional layers of gypsum cannot be installed
- Compatible with most topcoats (though not required)
- Thin film coating - offers an economical solution to alternative fireproofing
- Low VOC, LEED compliant
- Easy repair - If damaged, product can be patched easily

**Color**
White

**Finish**
Smooth

**Primer**
Gypsum: Not required
Wood: Recommended but not required

**Topcoat**
For interior conditioned space, topcoating is not required but may be applied for aesthetic purposes.

Product must be topcoated if there are environmental exposure requirements. Refer to FlameOFF Coatings, Inc. technical support.

Intumescent coating must be applied to the required DFT and fully cured before topcoat is applied.

**Thickness Per Coat**
Recommended 20-35 Mils WFT

*Range: 15-45 Mils WFT. Maximum thickness per coat depends upon applicator experience, substrate, and job site conditions.

**Solids Content**
By Volume 71%

**Theoretical Coverage Rates**
- Gypsum: 1075 sq ft/gal at 1 mil (1002 m / at 25 microns)
- Wood: 36 sq ft/gal at 30 mils (3.3 m / at 750 microns)

**VOC Values**
As Supplied 0.06 lbs/gal (7 g/l)

## Testing / Certification

**Listing**
This product has been tested in accordance with ASTM E119 to UL 263 standards. It meets the requirements of IBC/NFPA Building Codes.

[ICC E S Listed](#)

[UL Classified](#)

**Required DFT**

<table>
<thead>
<tr>
<th>Substrate</th>
<th>Required Dry Film Thickness &amp; Corresponding Coverage Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>2 Hours</strong>*</td>
<td><strong>1 Hour</strong>*</td>
</tr>
<tr>
<td>5/8&quot; Type X Gypsum</td>
<td>45 Mils DFT 25 sq ft/gal</td>
</tr>
<tr>
<td>1/2&quot; Regular Gypsum</td>
<td>X</td>
</tr>
<tr>
<td>Wood</td>
<td>X</td>
</tr>
</tbody>
</table>

*See ICC Reports Directory ESR- 3874
*See UL Fire Resistance Directory R38327

**Packaging, Handling & Storage**

**Shelf Life**
12 Months

Shell life when kept at recommended storage conditions and in original unopened containers.

**Shipping Weight**
64 lbs per 5 gal pail

**Flash Point**
(Seetalash) 93°F (30°C)

**Storage**
Store indoors in a dry environment between 45°F and 105°F (7°C and 40°C)

**Packaging**
5 Gal

*This product is proudly manufactured in the USA*

---

Phone: (866) 598-8470 Email: info@flameoffcoatings.com Web: www.flameoffcoatings.com

FlameOFF Coatings, Inc. owns and certifies all data in this document. This document may not be altered by anyone other than FlameOFF Coatings, Inc.

The data and suggested formulations in this bulletin are based on information believed to be reliable and are offered solely for evaluation, investigation and verification of numerous factors affecting results. FlameOFF Coatings, Inc. products are sold with the understanding the purchasers will make their own tests to determine the suitability of these products for the particular use. We assume no liability or responsibility for any damage to person or property resulting from or incident to the use of our products. Statements concerning the use of FlameOFF Coatings, Inc. products are not to be construed as recommending the infringement of any patent, and no liability for infringement arising out of any such use is assumed.
Application Conditions and Curing Schedule

<table>
<thead>
<tr>
<th>Condition</th>
<th>Material</th>
<th>Humidity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum</td>
<td>40°F (4.5°C)</td>
<td>0%</td>
</tr>
<tr>
<td>Maximum</td>
<td>105°F (40°C)</td>
<td>85%</td>
</tr>
</tbody>
</table>

Substrates & Surface Preparation

General
All surfaces must be clean, dry, and free of oil, grease, loose scale, dirt, dust or other materials that would impair the bonding of the intumescent coating to the substrate.

Application Procedures

General
Product may be applied by brush or spray application. Do not apply with a roller. Spray application is recommended for the optimum appearance.

Airless Spray
A single coat built up with a number of quick passes allows greater control over quantities, thickness and finish.

**Note - In most conditions, it is advantageous to apply two thin coats rather than one thick coat.**

Application Rates

Spray: 20-35 Mils Wet Film Thickness
Brush: 10 Mils Wet Film Thickness

**7 hour recoat time. See Application Manual.**

Wet Film Thickness

Frequent thickness measurements with a wet film gauge are recommended during the application process to ensure uniform thickness.

Cleanup & Safety

Cleanup
Flush pump, gun, tips, hoses and mixer with hot water at least once per day.

Safety
Follow all safety precautions on the product Material Safety Data Sheet.

Overspray
All adjacent and finished surfaces shall be protected from damage and overspray.

Maintenance

General
If coating becomes damaged, rebuild the required thickness by spray or brush. When dry, smooth and finished, topcoat may be applied. The repair area must follow all surface preparation requirements before reapplying the coating. The coating must be built back to the original thickness.