

## TECHNICAL DATA SHEET SC950 (IFRM)

### DESCRIPTION

SC950 is a thin-film, multi-purpose, water-based, intumescent fire-resistive material (IFRM), designed to protect exposed structural steel, wood floor/ceiling assemblies, and gypsum wall assemblies. This product allows architects and designers the opportunity to use thin film technology to highlight exposed structural details while reducing overall building load.

### FEATURES

- Tested to ASTM E119/UL 263 and CAN/ULC S101 standard up to 2 hours
- Formulated viscosity for improved spraying, mixing and sag-resistance.
- Up to 70 wet film thickness per coat under ideal conditions
- Water-based formulation, zero VOC
- Multiple Substrate Certifications
- Architectural Grade Finish
- Meets several ASTM E-119 Assembly Applications
- Manufactured in USA

### AREAS OF APPLICATION

- Wide Flange Structural Columns
- Restrained and Unrestrained Structural Beams
- Hollow Structural Sections (HSS)
- Wood Floor/Ceiling Assembly
- 5/8 Type x Drywall 2-Hour

### PRIMERS/TOPCOATS

- Please refer to your local FlameSeal Representative for further information on recommended primers and topcoats

### APPLICATION INSTRUCTIONS

- Please refer to FlameSeal's SC950 Application Guide for further information on application instructions and best practices.

### TECHNICAL DATA

|                                  |  |
|----------------------------------|--|
| Color                            | White  |
| Packaging                        | 5 Gal Pail (18.9 L) / 55 Gal Drum (210 L)      |
| Shelf Life                       | 1 Year Unopened                                |
| Storage Temperatures             | 40 °F - 90 °F (4 °C - 32 °C)                   |
| Application Temperatures         | 40 °F - 90 °F (4 °C - 32 °C)                   |
| Product Chemistry                | Water-Based Polymer Dispersion                 |
| VOC                              | Zero VOC per EPA Method 24, excluding LVP-VOCs |
| pH                               | 7.5-9  |
| Weight Per Gallon                | 11.6 - 12.4 Lbs (5.3 - 5.6 Kgs)                |
| Specific Gravity                 | 1.33 - 1.50                                    |
| Volume Solids                    | 70 - 72%                                       |
| Impact Resistance (ASTM D2794)   | 94 in-lb                                       |
| Shore D Hardness (ASTM D2240)    | 70.6 Shore D                                   |
| Abrasion Resistance (ASTM D4060) | .2217g/1,000 Cycles                            |
| Adhesion (ASTM D4541)            | 450 PSI  |
| ASTM E-119 / CAN/ULC S101        | 60, 90, 120 Minute Ratings                     |
| ICC-ES Listing                   | ESL-1296                                       |
| ASTM E-84                        | Class A (FSI: 0/ SDI: 5)                       |

