

## TECHNICAL DATA SHEET SC950 (IFRM)

### DESCRIPTION

SC950 is a thin-film, multi-purpose, water-based, intumescence 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)

