



SpecSeal® Safing Spray

SpecSeal® Safing Spray is a high solids, latex-based elastomeric coating specifically formulated for slab edge safing applications.

SpecSeal® Safing Spray is designed to be applied using airless spray equipment or by brush or roller. It is formulated to bridge gaps or irregularities over the mineral wool safing, and is ideally suited to work around curtain wall mounting anchors thereby enhancing productivity in even the most demanding construction environments.

Utilizing a premium latex binder system, it is totally resistant to water and will not re-emulsify after drying. Upon drying, it forms a flexible barrier against the spread of fire, hot gases, and smoke. It does not contain inorganic fibers, asbestos, or solvents.

Applications

SpecSeal® Safing Spray is designed for use in curtain wall safing applications for perimeter fire barrier systems.

Specifications

The perimeter fire barrier spray shall be a water-based, non-halogenated elastomeric coating containing no solvents, inorganic fibers, or asbestos. The coating shall dry to form a flexible, water resistant film and adhere to all common construction surfaces. The Shore A hardness of the dried coating shall be minimum 65. The coating shall be UL Certified and listed in the XHDG Category for Perimeter Fire-Containment Systems. The approved coating shall be SpecSeal® Safing Spray.

Specified Divisions

Division 7	07 84 00	Firestopping
Division 7	07 84 53	Building Perimeter Firestopping
Division 8	08 44 00	Curtain Wall and Glazed Assemblies

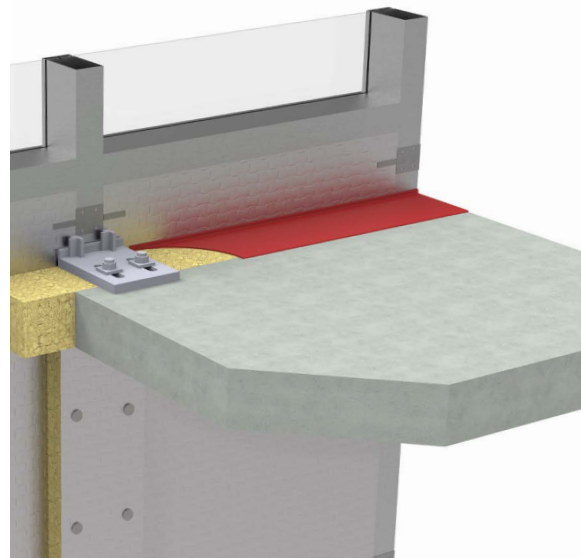
Performance

SpecSeal® Safing Spray is applied over mineral wool safing. It is tested for 1, 2, 3, and 4 hour rated perimeter fire barrier systems in accordance with the Standard, ASTM E2307, "Standard Test Method for Determining the Fire Resistance of Perimeter Fire Barrier Systems Using Intermediate-Scale, Multi-Story Test Apparatus". It complies with the time/temperature conditions of ASTM E119 (ANSI/UL263) and prevents ignition of cotton waste. It further complies with CAN/ULC-S101 and CAN/ULC-S115. Consult factory for individual system designs and application requirements.



Features & Benefits

- Optimized for curtain wall conditions
- Tougher polymer can stand up to jobsite rigors
- Fast drying latex binder base
- Easy cleanup with water
- Approved with penetrants in safing slot
- Allows for vertical application for column or shear wall interfaces
- UL Certified
- Safe, no solvents, no asbestos, no PCB's, no inorganic fibers
- Non-halogenated
- Auto bonding
- Paintable when dry
- Meets LEED™ v3, v4, & v4.1 requirements. Low emitting materials credit. See general LEED letter for additional applicable credits.



Limitations

Use product as per manufacturer's instructions. Use only in applications per the manufacturer's published designs or specific recommendations. End user must ultimately determine the suitability of the product and/or design to his or her specific requirements and assumes responsibility for its use. PRODUCT CONTAINS WATER AND IS CONDUCTIVE UNTIL DRY. DO NOT APPLY IN THE PRESENCE OF EXPOSED OR ENERGIZED ELECTRICAL CONDUCTORS.

Maintenance

Inspection: Installations should be inspected periodically for subsequent damage and repaired accordingly. If the packing or forming material is damaged, it should be removed and replaced maintaining the required compression. Reapply fresh coating to the original specified wet thickness.

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PHYSICAL PROPERTIES

Color	Red
Density/Weight per Gallon	10.8 lb/gal (1.29 kg/L)
Solids Content by Weight	77.0%
Solids Content by Volume	70.1%
Flame Spread*	0
Smoke Development*	0
Mold & Fungus Growth Rating (ASTM G21)	0
Movement Capabilities*** (ASTM C719)	+/- 12.5 %
Coverage	12.8 sq ft/gal@ 1/8" (0.31 sq m/L @ 3.2 mm)
Viscosity	130,000 cps
pH	7.8
Solvent Content	None
Plasticizer	None
In Service Temperature	Less than or equal to 185°F (85°C)
Storage Temperature	40°F (4°C) to 95°F (35°C)
Application Temperature	40°F (4°C) to 95°F (35°C)
Drying Time ^A	Tack Free Time Less Than 2 Hours Dry Through 24 to 48 Hours
Shore A Hardness	65
STC Rating (ASTM E90-09/ASTM C919)	Up to 57 (Relates to Specific Construction)
VOC Content**	30 g/L
Shelf Life From Date of Manufacture	18 months

*Tested to ASTM E84 (UL723) at 14% surface coverage (modified test for sealants and caulks)

***500 Cycles per UL2079, ASTM E1399, and ASTM E1966

**Per SCAQMD Rule 1168 (EPA Method 24)

^ADependent on temperature and humidity

System Selection

To find your firestop system or create a submittal, visit <https://systems.stifirestop.com/> to use System Search & Submittal Builder. You may also visit the [UL Online Certifications Directory/UL Product iQ™](#) for complete listings. (Firestop Systems).

Technical Service

Specified Technologies Inc. provides toll free technical support to assist in product selection and appropriate installation design. UL System designs suitable for submittal or specification purposes are available on request. A complete library of technical information is provided at the company's website www.stifirestop.com including Safety Data Sheets (SDS's).

Precautionary Information

Consult Safety Data Sheet (SDS) for additional information on the safe handling and disposal of this material. Wash areas of skin contact with soap and water. Avoid contact with eyes. The use of an OSHA or NIOSH approved mask for dust and mist environment is recommended. Apply in areas with adequate ventilation.

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Application Equipment

NOTICE: Spray application of SpecSeal Elastomeric Spray requires airless spray equipment meeting the following specifications:

- Working Pressure: Min. 2500 PSI (172 Bar), Delivery: Min. 0.72 U.S. gpm (2.7 lpm) recommended
- Spray Tip Orifice: 0.023 in (0.58 mm) in to 0.026 in (0.66 mm) recommended
- Wetted Parts All seals and contact surfaces suitable for contact with latex emulsions.

A minimum 3/8 in (9.5 mm) fluid line is required, a 1/2 in (13 mm) line is preferred. Consult pump manufacturer for long hose runs or lifts to higher elevations. A reversible spray tip is recommended. A 6 in (152 mm) fan pattern is suggested to minimize overspray. The following airless spray equipment has demonstrated suitability for application of this product. STI makes no warranties concerning the suitability or use of this equipment and has no affiliation of any kind with its manufacturer.

Manufacturer	Model Number & Description
Titan Tool Inc. / Graco Inc.	740ix Electric Airless Sprayer / Ultra Max II 695 Electric Airless Sprayer.

Availability

SpecSeal® Safing Spray is available from Specified Technologies Inc. (STI) authorized distributors. For additional purchasing and technical information or for the names and locations of the nearest representative and/or distributor, regarding this and other Specified Technology products, please call 1-800-992-1180 or visit www.stifirestop.com.

ORDERING INFORMATION

Catalog Number	UPC Number	Size	(UOM) Qty.	Case Qty.	Weight (Each)
SFS105	730573071175	5 gallon pail - 1,155 cu in (19 liters)	1	1	56.00 lbs (25.40 kg)

IMPORTANT NOTICE: ALL STATEMENTS, TECHNICAL INFORMATION, AND RECOMMENDATIONS CONTAINED HEREIN ARE BASED UPON TESTING BELIEVED TO BE RELIABLE, BUT THE ACCURACY AND COMPLETENESS THEREOF IS NOT GUARANTEED.

STI TYPICALLY WARRANTIES ITS PRODUCTS FOR ONE FULL YEAR. FOR COMPLETE DETAILS OF OUR STANDARD WARRANTY, PLEASE VISIT WWW.STIFIRESTOP.COM/LEGAL/WARRANTY

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