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## PRODUCT DATA SHEET

# Cable Spray

### 1. PRODUCT DESCRIPTION

SpecSeal® Cable Coating is a latex-based, spray applied coating designed to protect grouped electrical cables against the propagation of fire. This material, when properly installed, will limit flame spread and provide short-term circuit integrity during a fire situation.

SpecSeal Cable Coating is engineered to adhere well to virtually all cable jacketing materials and may be applied using airless spray equipment or with a brush (for small applications or touch ups).

SpecSeal Cable Coating is very high in solids (by volume) and offers the highest coverage rates of any product of this type.

SpecSeal Cable Coating dries to form a flexible shield against the propagation of fire. Its premium latex binder system is totally resistant to water and will not re-emulsify after drying. SpecSeal Cable Coating contains no inorganic fibers, asbestos, or solvents.

### 2. APPLICATIONS

SpecSeal Cable Coating is designed primarily for the protection of grouped electrical, data, or communications cables in cable tray or racked cable applications.

### 3. PHYSICAL PROPERTIES

See Table A

### 4. PERFORMANCE

When applied to a dry film thickness of 1/16" (1.6mm) SpecSeal Cable Coating meets Factory Mutual approval requirements for the protection of grouped electrical cables. Tests conducted by Factory Mutual indicate that ampacity derating of cables is not required when installed as per recommendations.

LIMITATIONS: SpecSeal Cable Coating is designed to protect cables against fires external in origin. SpecSeal Cable Coating is not designed nor intended to provide electrical insulative properties and should not be applied to energized electrical conductors.

### 6. INSTALLATION INSTRUCTIONS

GENERAL: Areas to be protected must be clean and free of oil, loose dirt, rust or scale. Installation temperatures must be between 35°F (2°C) and 100°F (38°C). Allow product to dry a minimum of 24 hours before exposure to moisture.

Coating may be applied by airless spray in a single pass to the required 1/16" (1.6mm) dry film thickness (approx. 1/8" (3.2mm) wet coating depth). If applying by brush or spraying on vertical surfaces where coating appears to be prone to slumping, multiple coats or the application of a thin tack coat may be required.

Consult Installation Instructions for more complete information.

### 7. MAINTENANCE

Inspection: Installations should be inspected periodically for subsequent damage. Following safety precautions listed below (See 9. Precautionary Information) and pertinent installation guidelines, remove coating in damaged

### FEATURES

- **Water-Based** for easy installation and cleanup.
- **Thixotropic** for high-build application.
- **High Solids**
- **Safe ... No solvents!... No asbestos!**
- **Nonhalogenated**
- **Flexible!**
- **Water and Weather Resistant!**
- **Low Abrasion** for longer pump life and less maintenance.
- **Factory Mutual** tested and approved!



### 5. SPECIFICATIONS

The fire protective cable coating shall be water-based. The coating shall dry to form a flexible, water and weather-resistant film and shall contain no solvents, asbestos, or inorganic fibers. The coating shall be thixotropic and shall be capable of being applied by brush application or by airless spray. The approved coating shall be FM Systems Approved and tested.

### SPECIFIED DIVISIONS

DIV. 7	07840	Through-Penetration Firestopping
DIV. 13	13900	Special Construction Fire Suppression & Supervisory Systems
DIV. 15	15250	Mechanical Insulation – Fire Protection
DIV. 16	16050	Basic Electrical Materials & Methods

**Table A: PHYSICAL PROPERTIES**

<b>Color</b>	White
<b>Odor</b>	Mild Latex
<b>Specific Gravity</b>	1.1
<b>Solids</b>	74%
<b>Coverage</b>	18.5 ft.2/gal. @ 1/16" <sup>A</sup> 0.37 m2/kg @ 1.6mm <sup>A</sup>
<b>In-Service Temp.</b>	≤130° F. (54°C.)
<b>Flame Spread<sup>B</sup></b>	0 (ASTM E84)
<b>Smoke Developed<sup>B</sup></b>	15 (ASTM E84)
<b>Drying Time</b>	
<b>Tack Free</b>	2 Hours
<b>Dry Through</b>	24-48 hours <sup>C</sup>

<sup>A</sup> Installed dry film thickness.  
<sup>B</sup> Tested to ASTM E84 (UL 723) at 14% coverage  
<sup>C</sup> Dependent on temperature and humidity.

areas down to undamaged material. Reapply fresh coating material to original coating thickness.

Retrofit: Cables may be easily added or removed from coated installations. New cables should be coated as per established plant maintenance schedules and guidelines. Consult facility safety supervisor.

## 8. TECHNICAL SERVICE

Specified Technologies Inc. provides toll free technical support to assist in product selection and installation information.

## 9. PRECAUTIONARY INFORMATION

Consult Material Safety Data Sheet 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.

**SPEC SEAL CABLE COATING IS CONDUCTIVE UNTIL DRY. DO NOT APPLY TO ENERGIZED ELECTRICAL CONDUCTORS. INSTALL UNDER THE SUPERVISION OF PLANT OR FACILITY ELECTRICAL ENGINEER OR SAFETY MANAGER.**

## 10. AVAILABILITY

SpecSeal Cable Coating is available from authorized distributors. Consult factory for the names and locations of the nearest sales representatives or distributors.

**TABLE B: APPLICATION EQUIPMENT**

<b>NOTICE:</b>	Spray application of SpecSeal Cable Spray requires airless spray equipment meeting the following specifications:
<b>Working Pressure:</b>	Min. 3,000 PSI
<b>Delivery:</b>	Min. 1.0 U.S. gpm (2.1 l/min.) recommended
<b>Spray Tip Orifice:</b>	0.023" to 0.026" recommended
<b>Wetted Parts</b>	All seals and contact surfaces suitable for contact with latex emulsions.

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.

A minimum 3/8" fluid line is required, a 1/2" line is preferred. Consult pump manufacturer for long hose runs or lifts to higher elevations. A reversible spray tip is recommended. A 6" fan pattern is suggested to minimize overspray.

The following equipment is manufactured by Titan Tool, Inc., Franklin Lakes, NJ

Item	Item Name & Description
PowrTwin Model 5500 Sprayer	Electric or gas powered airless sprayer

**Table C: ORDERING INFORMATION**

**SpecSeal® Cable Spray is available in 5 gal. pails, 55 gal. drums are available on a special order basis.**

CS105 5 gal. Pail 1,155 cu. in. (19 liters)

Additional SpecSeal Products...

<b>Series ES Sealant</b>	Inexpensive water-based Elastomeric Sealant for construction joint applications. Design to provide up to ± 25% movement.
<b>Series SSS Sealant</b>	The industry's most versatile sealant provides the firestopping solutions for a wide range of combustible and noncombustible applications. Water-based intumescent sealant expands up to 8X!
<b>SSP Firestop Putty</b>	Available both in bar form and in pads, putty provides easy retrofit for through-penetrations and economical protection for electrical boxes.
<b>Firestop Mortar</b>	Lightweight, versatile and economical! The best choice for large or complex installations.
<b>Pencil® Silicones</b>	Sealants and foam for through-penetrations and construction joints. Unexcelled aging characteristics and flexibility.
<b>Intumescent Wrap Strips</b>	Two grades of intumescent wrap strips provide an unmatched combination of flexibility, economy, and expansion (up to 30X). Systems for plastic pipes including FR Polypropylene up to 8" trade size!
<b>Molded Firestop Collars</b>	Easy to install, economical protection for ABS and PVC pipes (both solid and foam core) as well as CPVC, PVDF, and FRPP. Collars available up to 6" trade size.



**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.

**WARRANTY:** Specified Technologies Inc. manufactures its goods in a manner to be free of defects. Should any defect occur in its goods (within one year), Specified Technologies Inc., upon prompt notification, will at its option, exchange or repair the goods or refund the purchase price.

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