



CABLE SPRAY

APPLICATIONS

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

FEATURES

- **Water-Based** for easy installation and cleanup
- **Intumescent**...expands with heat
- **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!

PRODUCT DESCRIPTION

SpecSeal® Cable Spray is an intumescent, latex-based 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 Spray 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 Spray is very high in solids (by volume) and offers the highest coverage rates of any product of this type.

SpecSeal® Cable Spray 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 Spray contains no inorganic fibers, asbestos, or solvents.

PHYSICAL PROPERTIES	
Color	White
Odor	Mild Latex
Weight Per Gallon	10 lbs.
Specific Gravity	1.1
Solids	74%
Coverage	12.8 ft.2/gal. @ 1/8" Wet (0.31 m2/L @ 3.2 mm) Wet 12.8 ft.2/gal. @ >1/16" Dry (0.31 m2/L @ >1.6 mm) Dry 19.1 ft.2/gal. @ 3/32" (0.47 m2/L @ 2.15 mm) Wet 19.1 ft.2/gal. @ 1/16" (0.47 m2/L @ 1.6 mm) Dry
<small> A Installed dry film thickness. B Tested to ASTM E84 (UL 723) at 14% coverage C Dependent on temperature and humidity. </small>	

PHYSICAL PROPERTIES	
In-Service Temp.	≤185° F. (85°C.)
Storage Temp.	40° F. (4°C.) - 95°F. (35°C.)
Flame Spread^B	0 (ASTM E84)
Smoke Developed^B	15 (ASTM E84)
Drying Time	
Tack Free	2 Hours
Dry Through	24-48 hours
Shelf Life	2 Years
<small> A Installed dry film thickness. B Tested to ASTM E84 (UL 723) at 14% coverage C Dependent on temperature and humidity. </small>	

PERFORMANCE

SpecSeal® Cable Spray meets Factory Mutual approval requirements for the protection of grouped electrical cables (FM Class No. 3971). Tests conducted by Factory Mutual indicate that ampacity derating of cables is not required when installed as per recommendations. SpecSeal Cable Spray also meets IEC 60331-21 and IEC 60332-3 and passes IEEE 383/1202.



SPECIFICATIONS

The intumescent, fire protective cable spray 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 Approved and tested.

SPECIFIED DIVISIONS

DIV.	7	07 84 00	Firestopping
DIV.	26	26 00 00	Electrical
DIV.	27	27 00 00	Communications

INSTALLATION INSTRUCTIONS

GENERAL: Areas to be protected must be clean and free of oil, loose dirt, rust or scale. Installation temperatures must be between 40°F (4°C) and 95°F (35°C). Allow product to dry a minimum of 24 hours before exposure to moisture.

Apply coating to the thickness specified in the individual test report or approval listing; individual listings vary from 1 mm to 1.6 mm dry film thickness. Coating may be applied by airless spray in a single pass up to 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. SpecSeal Cable Spray may also be used to create fire breaks at 3 to 6 m (10 to 20 ft) intervals along cable runs. For horizontal cable trays, 1 m (3 ft) coated length. For vertical cable trays, 1.5 m (5 ft) coated length.

Consult Installation Instructions for more complete information.



MAINTENANCE

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

TECHNICAL SERVICE

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

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.

SPECSEAL® CABLE SPRAY IS CONDUCTIVE UNTIL DRY. DO NOT APPLY TO ENERGIZED ELECTRICAL CONDUCTORS. INSTALL UNDER THE SUPERVISION OF PLANT OR FACILITY ELECTRICAL ENGINEER OR SAFETY MANAGER.

AVAILABILITY

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

TABLE A: APPLICATION EQUIPMENT

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

Working Pressure:	Min. 3,000 PSI (207 bar)
Delivery:	Min. 0.72 U.S. gpm (2.73 lpm) recommended
Spray Tip Orifice:	0.023" to 0.026" (0.58 to 0.66 mm) recommended
Wetted Parts	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" (9.5 mm) fluid line is required, a 1/2" (13 mm) line is preferred. Consult spray equipment manufacturer for longer hose runs or lifts to higher elevations. A reversible spray tip is recommended. A 6" (152 mm) fan pattern is suggested to minimize overspray.

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

Item	Item Name & Description
	Titan 740ix Electric Airless Sprayer

TABLE B: 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)
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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.

LIMITED WARRANTY: STI warrants that its products will be free of defects for one year from the date of purchase. In the event a product does not conform to this warranty, the sole and exclusive remedy is, at STI's option, replacement of the product or refund of the purchase price. The warranty provided herein shall be void and of no effect in the event that the product is not installed in accordance with STI's published instructions, listed systems and applicable building and safety codes. THIS WARRANTY IS IN LIEU OF ALL OTHER REPRESENTATIONS AND EXPRESSED OR IMPLIED WARRANTIES (including the implied warranties of merchantability or fitness for a particular use) AND UNDER NO CIRCUMSTANCES SHALL STI BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES OR LOSSES, INCLUDING, WITHOUT LIMITATION, ANY LOSS OF REVENUE, PROFIT OR USE. Prior to use, the user shall determine the suitability of the product for its intended use, and the user assumes all risks and liability for subsequent use. No person other than an officer of STI is authorized to bind STI to any other warranty for any product for which this warranty is issued.

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