

# SpecSeal® CS105 Cable Spray

SpecSeal®

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SpecSeal® CS105 Cable Spray is a latex-based, ablative elastomer that will also intumesce to protect single or grouped electrical cables against flame propagation. This coating, when properly installed, will limit flame spread according to IEEE 383, IEEE 1202, IEC 60332-3, and Factory Mutual (FM) Class 3971. Additionally, CS105 may provide some degree of short-term circuit integrity during a fire situation according to IEC 60331-21.

SpecSeal® CS105 Cable Spray is formulated to adhere well to virtually all cable jacketing materials and may be applied using airless spray equipment or with a brush. SpecSeal® CS105 Cable Spray is very high in solids (by volume) and offers the highest coverage rates of any product of this type.

SpecSeal® CS105 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® CS105 Cable Spray does not contain inorganic fibers, asbestos, or solvents.



## Applications

SpecSeal® CS105 Cable Spray is primarily designed for the protection of grouped electrical, data, or communications cables in cable tray or racked cable applications to limit the spread of fire.

## Specifications

The single component fire protective cable coating shall be a water-based ablative elastomer that will also intumesce. The coating shall dry to form a flexible, water and weather-resistant film and shall not contain 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 Class 3971 and tested according to IEC 60332-3, IEEE 383, and IEEE 1202.

### Specified Divisions

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

## Performance

SpecSeal® CS105 Cable Spray meets Factory Mutual (FM) Approval requirements for the protection of grouped electrical cables (FM Class No. 3971). Tests conducted by FM Approvals indicate that ampacity derating of cables is not required when installed as per recommendations. SpecSeal® CS105 Cable Spray also meets IEC 60331-21 and IEC 60332-3 and passes IEEE 383/1202.



### SpecSeal® Cable Spray

Fill, Void or Cavity Materials Certified for use in through-penetration firestop systems. See UL online certifications directory.



## Features & Benefits

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

## PHYSICAL PROPERTIES

Color	White
Odor	Mild Latex
Weight Per Gallon	10 lbs.
Specific Gravity	1 to 1.3
Solids Content	74%
Flame Spread <sup>B</sup>	0 (ASTM E84)
Smoke Development <sup>B</sup>	15 (ASTM E84)
Coverage	17.1 sq ft/gal @ 3/32" Wet Film Thickness (0.42 sq m/L @ 2.4 mm Wet Film Thickness)
In Service Temperature	≤185° F. (85°C.)
Storage Temperature	40° F. (4°C.) - 95°F. (35°C.)
Drying Time	Tack Free 2 Hours Dry Through 24-48 Hours
Shelf Life	2 Years

<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.

# SpecSeal® CS105 Cable Spray



## 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.

## Application Equipment

**NOTICE:** Spray application of SpecSeal® CS105 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 Name & Description: Titan 740ix Electric Airless Sprayer, Graco Inc. Ultra Max II 695 Electric Airless Sprayer.

## Technical Service

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

## 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.

**SPECSEAL® CS105 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® CS105 Cable Spray is available from authorized distributors worldwide. Consult factory for the names and locations of the nearest sales representatives or distributors. SpecSeal® CS105 Cable Spray is available in 5 gallon pails, 55 gallon drums are available on a special order basis.

## ORDERING INFORMATION

UPC# 730573	Catalog Number	Description	Packaging	Weight
07104	CS105	SpecSeal® Cable Spray	Packed in a 5 Gallon Pail [1,155 cu. in. (19 liters)]	55.00 lbs. (25 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.

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