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### Technical Data

#### ➤ Product Description

Nelson Firestop Fire Protective Cable Coating (FSC™) is water based, intumescent, fire protective coating designed to enhance the fire resistance of electrical power, communications and control cables. It is commonly applied to continuous cable runs to prevent the propagation of fire. It is designed for labor saving spray applications on cables.

#### ➤ Application

FSC™ is spray or brush applied onto cables. Apply 1/8" wet thickness, which dries to 1/16" thick film. For optimal performance the surfaces should be clean and free of dust, dirt, oil, grease, loose material, rust or other substances. FSC™ adheres well to all construction materials and cables allowing for vertical or overhead applications. When applying by a spray method, it is best applied using an airless spray unit with the following specifications:

Pump.....min. 3000psi  
Hose.....50' x 1/2" (use 3/4" over 50')  
Gun.....Hydra-Mastic (Filter Removed)  
Tip.....min. 0.037" reversible tip  
Compressor.....min. 150 CFM min.

#### ➤ Availability

AA0671 – 5 Gallon Pail – (19.0L) 1,155 cu. in.

#### ➤ Uses

FSC™ is specifically for applications to provide enhanced fire resistance to electrical power, communications and control cables. FSC™ provides superior performance on horizontal and vertical cable tray systems. No maintenance is required. When adding or removing cables, re-coat exposed area with FSC™ as required.

#### ➤ Features

- Water-Based Acrylic Latex – Easy clean-up
- Intumescent
- No Cable De-rating
- Elastomeric (Flexible Cure)
- Paintable
- Water Resistant

#### ➤ Physical Properties

- Color.....Off White
- Coverage.....14 sq. ft. per gallon
- Weight.....9.9 Lbs. per gallon
- Viscosity.....60m cps maximum
- Application Temp...40°F(4°C) to 110°F(44°C)
- VOC Content.....Negligible
- Intumescent Expansion.....600%
- Drying Time.....To touch – 2 hrs.  
Complete- 24-48 hrs

#### ➤ Test Compliance

- ASTM E 84 Flame spread.....15  
Smoke developed.....45
- ASTM E 162 Specific Flammability of  
Materials using a Radiant Heat Energy Source.
- IEEE 383 Vertical Flame Spread on  
Grouped Cables.

#### ➤ Approvals

Factory Mutual Approved "Fire Protective Coatings"  
For Grouped Electrical Cables.

#### ➤ Testing Data

For specific test criteria, refer to the FM Approval Guide.

#### ➤ Storage & Handling

Nelson FSC™ should be stored at temperatures between 35°F (2°C) and 120°F (49°C). Do not dilute. Protect from freezing. Expected shelf life is one year from date of shipment.

#### ➤ Cautions

Wear eye protection. Do not spray gun at any part of the body. Fluid at high pressure can penetrate the skin and cause internal injury. Do not spray on or near live electrical circuitry, as material may be conductive when wet. Observe spray equipment manufacturer's instructions and warnings. In case of an injury, obtain medical attention immediately.

#### ➤ Related References

Factory Mutual Research Approval Guide

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### NELSON FIRESTOP PRODUCTS

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# NELSON

## Firestop Products

*FSC™*  
*Cable Coating*

### CABLE TRAY



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