

# SpecSeal® Series SSC Firestop Collar



The SpecSeal® Series SSC Collar is a factory-manufactured device designed to protect plastic pipes penetrating fire-rated walls and floors. Utilizing a heavy gauge galvanized metal collar to house a molded intumescent insert, the SpecSeal® Series SSC Firestop Collar is specifically sized to fit 1-1/2 in (38 mm), 2 in (51 mm), 3 in (76 mm), and 4 in (102 mm) trade sized pipes. When exposed to temperatures in excess of 320°F (160°C), the SpecSeal® Series SSC Collar's molded insert begins to expand (intumesce) rapidly to form a dense, highly insulative char. Its free expansion ranges from 32x to 64x original (pre-expanded) volume. Expansion continues up to 1,000°F (538°C).

## Applications

SpecSeal® Series SSC Collars are used to protect a variety of plastic pipes including PVC, PVC Foam Core (ccPVC), CPVC, RNC, PP, FRPP, FRP, HDPE, PE, PVDF, ABS, ABS Foam Core (ccABS) and XFR 15-50 PVC in both vented (DWV) and closed (electrical conduit and water supply) installations.

SpecSeal® Series SSC Collars are suitable for use in all common constructions including concrete floors, concrete over steel deck, concrete walls, concrete block walls, gypsum board walls, as well as wood floor assemblies.

## Specifications

The firestop system shall be a factory assembled firestop collar utilizing a molded, flexible intumescent insert. The intumescent insert shall provide a minimum of 30x free expansion and shall contain no water soluble expansion ingredients. The specified material shall be approved for a wide range of applications including PVC, PVC Foam Core (ccPVC), CPVC, RNC, PP, FRPP, FRP, HDPE, PE, PVDF, ABS, ABS Foam Core (ccABS) and XFR 15-50 PVC when used by itself or in combination with other products from the same manufacturer. The collar shall be UL Certified and tested to the requirements of ASTM E814 (UL1479) and CAN/ULC-S115 at 50 PA (0.20 in of water).

### Specified Divisions

Division 7	07 84 13	Penetration Firestopping
Division 22	22 00 00	Plumbing



## Performance

SpecSeal® Series SSC Collars are the basis for systems that meet the exacting criteria of ASTM E814 (UL1479) and CAN/ULC-S115 at 50 PA (0.20 in of water). Systems have been tested for all common forms of masonry construction and the most common plastic pipes with ratings up to three hours. Consult factory for information not available in UL Online Certifications Directory/UL Product iQ™ as of this printing.

## Limitations

This product has been designed to be safe with plastics. It has been used extensively and successfully with various types of plastic pipes, tubes, and plastic cable insulations. Variations in these materials, however, make it impossible to guarantee compatibility. STI strongly recommends that the user consults with the pipe, tubing, or cable manufacturer in question regarding any known sensitivities or potential restrictions before applying this product.



## PHYSICAL PROPERTIES

Available Sizes	1.5" (38mm)
	2" (51mm)
	3" (76mm)
	4" (102mm)
	6" (152mm)
Shell Construction	Galvanized Steel
Expansion Begins	320°F (160°C)
Volume Expansion	32 to 64x (free expansion)
In Service Temperature	Less than 120°F (49°C)
Shelf Life	No Limit

## Features & Benefits

- Rapid expansion - closes off burning pipes quickly
- Small profile - use it in all the tight spots
- Flexible & durable - no loose flakes (eye hazards)
- Water resistant - no water soluble or hygroscopic ingredients
- Economical - lower installed cost
- High volume char - expands up to 60 times

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## Maintenance

INSPECTION: Installations should be inspected periodically for subsequent damage. Any damage should be repaired using SpecSeal® products per the original approved design.

## 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](http://www.stifirestop.com) including Safety Data Sheets (SDS's).

## Precautionary Information

No unusual hazards are known or expected. Observe normal safety procedures during installation.

## Availability

SpecSeal® Firestop Collars are 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](http://www.stifirestop.com).

## Patents

US2007151183A1; US7596914B2

## ORDERING INFORMATION

Catalog Number	UPC Number	Size	(UOM) Qty.	Case Qty.	Weight (Each)
SSC150	730573031506	Firestop Collar for 1.5" (38 mm) Trade Size Plastic Pipe	1	6	0.33 lbs (0.15 kg)
SSC200	730573032008	Firestop Collar for 2.0" (51 mm) Trade Size Plastic Pipe	1	6	0.38 lbs (0.17 kg)
SSC300	730573033005	Firestop Collar for 3.0" (76 mm) Trade Size Plastic Pipe	1	6	0.74 lbs (0.33 kg)
SSC400	730573034002	Firestop Collar for 4.0" (102 mm) Trade Size Plastic Pipe	1	6	1.07 lbs (0.49 kg)
SSC600	730573036006	Firestop Collar for 6.0" (152 mm) Trade Size Plastic Pipe	1	2	5.04 lbs (2.29 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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