

SpecSeal® LCC Firestop Collars



The SpecSeal® LCC 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® LCC Firestop Collar is specifically sized to fit 1-1/2 in, 2 in, 3 in, and 4 in (38 mm, 51 mm, 76 mm and 102 mm) trade sized pipes. When exposed to temperatures in excess of 320°F (160°C), the SpecSeal® LCC 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® LCC 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 and ABS Foam Core (ccABS) in both vented (DWV) and closed (electrical conduit and water supply) installations.

SpecSeal® LCC 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 and ABS Foam Core (ccABS) 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.

Specified Divisions

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

Performance

SpecSeal® LCC Collars are the basis for systems that meet the exacting criteria of ASTM E814 (UL1479) and CAN/ULC-S115. Systems have been tested for all common forms of masonry construction and the most common plastic pipes with ratings up to two hours. Consult factory for information not available in the 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" (38 mm)
	2" (51 mm)
	3" (76 mm)
	4" (102 mm)
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 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.

ORDERING INFORMATION

Catalog Number	UPC Number	Description	(UOM) Qty.	Case Qty.	Weight (Each)
LCC150	730573039014	Firestop Collar for 1.5" (38 mm) Trade Size Plastic Pipe	1	6	0.22 lbs (0.10 kg)
LCC200	730573039021	Firestop Collar for 2.0" (51 mm) Trade Size Plastic Pipe	1	6	0.24 lbs (0.11 kg)
LCC300	730573039038	Firestop Collar for 3.0" (76 mm) Trade Size Plastic Pipe	1	6	0.46 lbs (0.21 kg)
LCC400	730573039045	Firestop Collar for 4.0" (102 mm) Trade Size Plastic Pipe	1	6	0.75 lbs (0.34 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.

STI TYPICALLY WARRANTIES ITS PRODUCTS FOR ONE FULL YEAR. FOR COMPLETE DETAILS OF OUR STANDARD WARRANTY, PLEASE VISIT WWW.STIFIRESTOP.COM/LEGAL/WARRANTY

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