



LC ENDOTHERMIC SEALANT

A FIRESTOPPING SEALANT FOR NON-COMBUSTIBLE PENETRANTS
IN THROUGH PENETRATIONS & CONSTRUCTION JOINTS.

PRODUCT DESCRIPTION

SpecSeal® Series LC Sealant is a latex-based, high solids firestop compound. This material, when properly installed, will effectively seal penetration openings against the spread of fire, smoke, toxic gasses and water.

Series LC is engineered to adhere well to virtually all construction surfaces and may be applied using a standard caulk gun or by troweling with a standard mason's trowel or with a putty knife.

Series LC dries without shrinking 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 Series LC Sealant is non-halogenated, contains no asbestos, inorganic fibers or solvents.



FEATURES

- **Water-Based for easy installation, cleanup, and disposal.**
- **Endothermic Fillers to absorb heat & release water.**
- **High Solids Formula means no shrinkage!**
- **Paintable (when dry)**
- **Safe ... No Solvents! Non-Halogenated! Low VOC's**
- **Red Color for easy identification and inspection.**
- **Installer Friendly - Excellent caulking properties along with high build capabilities.**
- **Excellent Smoke Seal**
- **Flexible**

APPLICATIONS

Series LC is designed primarily for sealing penetrations for noncombustible penetrants. Series LC has been tested and approved for single metallic pipe penetrations up to 24" (610 mm) as well as multiple penetrants through both masonry and gypsum wallboard constructions. Additional systems have been tested for steel sleeved penetrations as well as some common electrical and communications cable penetrations. See STI's Product & Application Guide as well as the UL® Fire Resistance Directory for complete listings.

- **Piping: non-combustible steel, iron, cast iron and copper up to 24" in diameter.**
- **Complex multiple penetrants**
- **Communication cabling systems.**
- **Construction joints.**
- **HVAC ducts.**

PHYSICAL PROPERTIES

Property – As Supplied	Value
Color:	Red
Odor:	Mild Latex
Density:	11.4 lbs/gal (1.36 kg/L)
Solids Content:	80% + 2%
pH:	7.4 to 8.4
In Service Temperature:	≤185° F (<85° C)
Storage Temperature:	40°F (4°C) - 95°F (35°C)
Flame Spread:	0*
Smoke Developed:	10*
STC Rating (ASTM E90/ASTM C919):	61
VOC Content (EPA Method 24/ASTM D3960):	33.3 lb/gal. (40.0 g/L)
Shelf Life:	12 Months

*ASTM E84 (UL723) @ 14% Surface coverage.
(Modified test for sealants and caulks.)

INSTALLATION INSTRUCTIONS

Areas to be protected must be clean and free of oil, loose dirt, rust or scale. Installation temperatures must be between 35°F (2°C) and 100°F (38°C). Allow product to dry a minimum of 24 hours before exposure to moisture.



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PERFORMANCE ▼

SpecSeal® Series LC Sealant is the basis for systems that meet the exacting criteria of ASTM E814 (UL1479) as well as the time-temperature requirements of ASTM E119. Tested systems will provide up to a 3 hour rating utilizing as little as 1/4" (6 mm) of sealant depth 1/2" (13 mm) for 4 hours.

MAINTENANCE ▼

Inspection: Installations should be inspected periodically for subsequent damage. Any damage should be repaired using SpecSeal® Series LC Sealant as per the original approved design. Retrofit: When adding or removing penetrants, care should be taken to minimize damage to the seal. Reseal using SpecSeal® Series LC Sealant as per the approved design. NOTE: New penetrants of a different nature than the original design may require a totally new firestop design or extensive modifications to the existing design. Reseal openings as per the requirements of the modified design.

TECHNICAL SERVICE ▼

Specified Technologies Inc. provides toll free technical support to assist in product selection and appropriate installation design. UL Systems, Material Safety Data Sheets and other technical information is available at the Technical Library at www.stfirestop.com.

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. The use of an OSHA or NIOSH approved mask for dust and mist environment is recommended. Apply in areas with adequate ventilation.

CAUTION: COATING IS CONDUCTIVE UNTIL DRY. DO NOT APPLY TO OR IN THE PRESENCE OF ENERGIZED ELECTRICAL CONDUCTORS.

AVAILABILITY ▼

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

ORDERING INFORMATION ▼

UPC# 730573	Description	Case Qty.
LC150	10.1 oz. Tube (300 ml) 18.2 cu. in.	12
LC120	20 oz. Sausage (592 ml) 36 cu. in.	12
LC129	29 oz. Tube (858 ml) 52 cu. in.	n/a
LC155	5 gal. Pail (19 liters) 1,155 cu. in.	n/a

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.

WARRANTY: Specified Technologies Inc. manufactures its goods in a manner to be free of defects. Should any defect occur in its goods (within one year), Specified Technologies Inc., upon prompt notification, will at its option, exchange or repair the goods or refund the purchase price.

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