

SpecSeal® ES Elastomeric Sealant

SpecSeal® ES Elastomeric Sealant is a non-halogenated latex-based, highly elastomeric caulk designed to provide passive smoke and fire protection in construction joints. This material is also designed to restore sound attenuation properties to sound-rated ceilings and partitions.

SpecSeal® ES Elastomeric Sealant is engineered to adhere to virtually all construction surfaces and may be applied using standard caulking equipment or by troweling. SpecSeal® ES Elastomeric Sealant 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® ES Elastomeric Sealant contains no inorganic fibers, asbestos, or solvents.

Applications

SpecSeal® ES Elastomeric Sealant is designed primarily for the protection of construction joints.

Specifications

The fire protective sealant shall be a water-based, non-halogenated, elastomeric and shall contain no solvents, inorganic fibers, nor asbestos. The sealant shall dry to form a flexible, moisture resistant seal and shall adhere to all common construction surfaces. The sealant shall have demonstrated sound attenuation properties. The approved sealant shall be SpecSeal® ES Elastomeric Sealant.

Specified Divisions

Division 7	07 84 00	Firestopping
Division 7	07 84 43	Joint Firestopping



Performance

When applied to a wet film thickness of 1/4 in (6.3 mm) to 1/2 in (12.5 mm) over appropriate backing materials, SpecSeal® ES Elastomeric Sealant has been successfully tested in one, two, three and four hour joints when tested in accordance with UL2079 (ASTM E1966) and CAN/ULC S115. All tested systems have been cycled 500 times at total movement up to +/- 25%. Consult factory for individual system designs and application requirements.



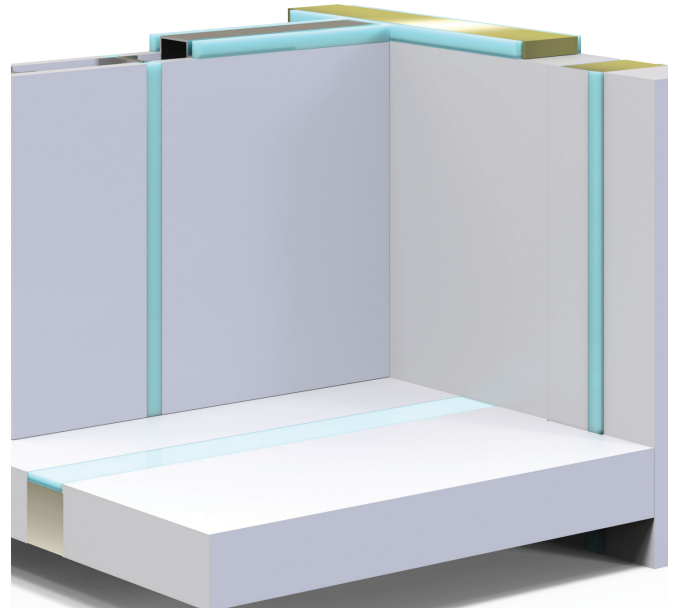
Limitations

Use product as per manufacturer's instructions. Use only in applications per the manufacturer's published designs or specific recommendations. End user must ultimately determine the suitability of the product and/or design to his or her specific requirements and assumes responsibility for its use. **PRODUCT CONTAINS WATER AND IS CONDUCTIVE UNTIL DRY. DO NOT APPLY IN THE PRESENCE OF EXPOSED OR ENERGIZED ELECTRICAL CONDUCTORS.**

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.

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).



Features & Benefits

- Water-based for easy installation & cleanup
- Non-halogenated
- Thixotropic for high-build application
- Auto bonding
- Safe, no solvents, no asbestos, No PCB's, no inorganic fibers
- Elastomeric
- Water-resistant
- UL Certified
- Acoustical sealant
- Paintable when dry
- Meets LEED™ v3, v4, & v4.1 requirements. Low emitting materials credit. See general LEED letter for additional applicable credits.

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SpecSeal®

ES

PHYSICAL PROPERTIES

Color	Pale Blue or Red	Solvent Content	None
Density/Weight per Gallon	12.1 lb/gal (1.45 kg/L)	In Service Temperature	Less than or equal to 185°F (85°C)
Solids Content by Weight	80.7%	Storage Temperature	40°F (4°C) to 95°F (35°C)
Solids Content by Volume	73.0%	Application Temperature	40°F (4°C) to 95°F (35°C)
Flame Spread*	5	Drying Time ^A	Tack Free 2 Hours Dry through 5 to 7 days
Smoke Development*	5	STC Rating (ASTM E90-04/ASTM C919)	62 (Relates to Specific Construction)
Mold & Fungus Growth Rating (ASTM G21)	0	VOC Content**	39 g/L
pH	7.5	Average Volume Shrinkage (ASTM C1241)	31%
Movement Capabilities***	+/- 25%	Shelf Life From Date of Manufacture	24 months
Coverage	For more information on product coverage see the following documents for Linear Joint		

*Tested to ASTM E84 (UL723) at 14% surface coverage (modified test for sealants and caulks)

**Per SCAQMD Rule 1168 (EPA Method 24)

***500 Cycles per UL2079, AC30 (ICBO) and ASTM E1399

^ADependent on temperature and humidity

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

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. Apply in areas with adequate ventilation.

Availability

SpecSeal® ES Elastomeric Sealant is 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	Size	(UOM) Qty.	Case Qty.	Weight (Each)
ES100	730573081006	10.1 Oz Tube - 18.2 cu in (300 ml)	1	12	1.08 lbs (0.49 kg)
ES100R	730573081013	10.1 Oz Tube - 18.2 cu in (300 ml) - Red	1	12	1.08 lbs (0.49 kg)
ES105	730573081051	5 Gallon Pail - 1,155 cu in (19.0 liters)	1	N/A	63.30 lbs (28.71 kg)
ES105R	730573081068	5 Gallon Pail - 1,155 cu in (19.0 liters) - Red	1	N/A	63.30 lbs (28.71 kg)
ES120	730573081037	20 Oz Sausage - 36 cu in (592 ml)	1	12	1.97 lbs (0.89 kg)
ES120R	730573081044	20 Oz Sausage - 36 cu in (592 ml) - Red	1	12	1.97 lbs (0.89 kg)
ES129	730573081297	29 Oz Tube - 52 cu in (858 ml)	1	12	3.05 lbs (1.38 kg)
ES129R	730573081310	29 Oz Tube - 52 cu in (858 ml) - Red	1	12	3.05 lbs (1.38 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 WARRANTS ITS PRODUCTS FOR ONE FULL YEAR. FOR COMPLETE DETAILS OF OUR STANDARD WARRANTY, PLEASE VISIT WWW.STIFIRESTOP.COM/LEGAL/WARRANTY

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