Innovative products and solutions for life safety and code compliance.
For over 25 years, Specified Technologies Inc. has worked closely with the construction industry to create simple solutions to complex firestopping problems across a broad range of market segments and industries worldwide.

We offer the most comprehensive range of firestop products on the market and back them with the most UL® tested systems in the business—over 1,400—from penetration firestop systems and perimeter barrier solutions to static and dynamic construction joints.

Because firestopping is our exclusive focus, we have been at the forefront of developing the most advanced and cost-effective firestop solutions on the market. STI Firestop is committed to supporting customers by providing sustainable firestop solutions, treating them like partners, and by consistently adding value beyond the sale.

You can depend on STI to provide expert advice, superior performance, premium quality products, best-in-class service, and training and support while delivering a total firestop solution.

---

*STI has more UL® Certified perimeter fire-containment systems than all other suppliers combined. Source: UL® Directory as of 10/15/2016.*
STI provides a toolbox of innovative online programs to remove the complexity of designing firestop systems. A set of powerful tools assure that the right systems are selected for the fastest and most cost-effective installation.

- **Firestop Clash Management** for AutoDesk Revit®
  Our proprietary plugin uses clash detection to find locations where penetrants meet fire-rated barriers and automatically selects the appropriate firestop system. Remove the complexity of designing firestop systems for construction and ensure the fastest and most cost-effective installation.

- **BIM Objects for AutoDesk Revit®**
  Specialized software developed for building information modeling, BIM objects offer a quick and effective method to integrate firestop into your complex building design.

- **Access STI**
  - System Search App
    Find firestop systems on your phone or tablet
  - Submittal Builder Pro
    Build custom project submittals online
  - Engineering Requests (TRAM)
    Track requests with up to the minute updates
  - LEED® Credit Calculator
    Generate customized LEED® credit letters for submission
  - Detail Sheet Generator
    Generate a selection of firestop system details on a CAD detail sheet

**Digital resources you need**

**Engineering service experts for solutions**

STI’s engineering service experts are ready to help you optimize productivity during design, construction, and post-construction. They work in conjunction with our world-renowned engineering team, offering solutions to complex firestopping problems to help you ensure code compliance.

- **Research & Development**
  STI’s philosophy is solely focused on firestop innovation. It’s all we do. Our engineering development team consistently pushes the envelope to develop new sustainable products and systems to enhance life safety protection.

- **On-site Fire Lab**
  STI is a UL® Approved testing facility equipped with a state-of-the-art environmentally friendly burn furnace. Tests are performed on a consistent basis in order to quickly develop new products and standards for the firestop industry.

- **Engineering Services Team**
  The largest resource of firestop experts in the industry under one roof that deliver timely solutions for:
  - Engineering judgments
  - Technical inquiries & LEED letters
  - Custom firestop training
  - Project plan review
  - Documentation for AHJ’s
  - Specification review
  - Building Information Modeling (BIM)
  - Upfront detail sheet generation
  - Documentation for AHJ’s

**Expert firestop training**

We offer expert hands on AIA accredited training programs—on-site or online—to educate and inform a variety of trades and professions. Introductory through advanced programs are available for all skill levels.

**Firestop instructional training**

- FIT 1 – Firestop Instructional Training
- Firestop 101
- Lunch & Learns
- Webinars
- Healthcare Symposia
- FIT 2 – Advanced Firestop Instructional Training

**Engineering Judgments in 24* hours or less**

Engineering judgments are critical for expediting your projects. Waiting for answers costs you time and money — why wait?

We deliver EJ’s within 24 hours on average.

*Average turnaround time.
Find firestop solutions by application

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- SpecSeal® Smoke 'N Sound Sealant ............................27
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- SpecSeal® SSB Intumescent Firestop Collars ...............31
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- SpecSeal® CF Closet Flange Firestop Gaskets ..............33
- FastFlange® HVAC Firestop Angle ...............................33
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- TBW Thermal Barrier Wrap .......................................35
- SpecSeal® CS Cable Spray ........................................35

Find the products designed for the work you do.
For your convenience every product in this guide lists its features and benefits, test standards and approvals, and illustrates common applications. If you have any questions, don’t hesitate to give us a call at 800-992-1180 ext 1.
STI understands the complexities of data and communication cabling distribution in the built environment. We provide end-to-end fire and smoke sealing solutions that alleviate the headaches associated with firestopping methods.
Make the Smart Choice.
EZ-Path® saves time, money, and resources by removing ongoing downstream costs.

Only EZ-Path® helps you avoid citations and costs associated with non-compliance. Other sleeves require constant upkeep, ongoing maintenance, and inspection to ensure compliance.

You can never be certain that other sleeves have been activated, plugs and putty have been replaced, or that they have been properly sealed to meet codes. And now that The Joint Commission mandates 60 DAY RFIs (Requirements for Improvement) for survey deficiencies—ongoing code compliance is more important than ever.

Most cable penetrations were found to be out of compliance except for EZ-Path®.

Global Fire Protection
Inspections Department

Annual inspection and maintenance of firestop systems is required by code.
Only EZ-Path® is Maintenance-Free.


Unlike other sleeves, EZ-Path® has no moving parts and requires no action to activate the internal sealing mechanism—making it the only rated firestop device that is compliant right out of the box.

Other sleeves incur enormous ongoing costs over the lifecycle of the building.

Only EZ-Path® Pays for Itself.

EZ-Path® offers the ultimate in flexibility and can virtually eliminate fines due to non-compliance, increasing your savings over and over again. EZ-Path® is a fully sustainable cable pathway solution for the lifetime of your building.

- Ends downstream maintenance & inspection costs
- Eliminates ongoing fire & smoke sealing costs
- Allows remote cable pulls through multiple barriers
- Reduces unnecessary trips above the ceiling
- Limits liability & decreases exposure to pathogens

“After installation there are no moving parts to remain compliant.”

Ray Miller
Director of Facilities Management / EOC Safety Officer
Methodist and Methodist Children’s Hospital

EZ-Path® Fire-Rated Pathways do not require regular maintenance...

Evaluation Service Report
Underwriters Laboratory

*www.stifirestop.com/esr

Over its lifecycle, EZ-Path® pays for itself many times over.

Jeff Combs
Fire Marshal
Major U.S. Medical System

Lifecycle Cost Comparison

Other Sleeves

EZ-Path®

Savings!

Ongoing Lifecycle Costs

Only EZ-Path® is always compliant.

Making the Right Choice: Fire-Rated Pathways that are Maintenance-Free & Always Compliant.
The applications:

- **Grommets** For single-cable applications
- **EZ-Path Device** Easily installs into a round hole
- **EZ-Path Device** For overfilled sleeves
- **Smoke and acoustical pathway**
- **Extensions** For thicker walls
- **Small footprint** For greater cable capacity compared to traditional methods
- **EZ cable pull**

The choices:

<table>
<thead>
<tr>
<th>Specifications</th>
<th>RFG1</th>
<th>RFG2</th>
<th>Series 22</th>
<th>EZDR200</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height x Width</td>
<td>9/16 in. diam. (14 mm)</td>
<td>1 in. diam. (25 mm)</td>
<td>1-1/2 in. x 1-1/2 in. (38 mm x 38 mm)</td>
<td>3-1/2 in. x 4-1/8 in. (89 mm x 105 mm)</td>
</tr>
<tr>
<td>(mm)</td>
<td></td>
<td></td>
<td>(38 mm x 38 mm)</td>
<td>(89 mm x 105 mm)</td>
</tr>
<tr>
<td>Length (mm)</td>
<td>1-5/8 in. (41.3 mm)</td>
<td>1-5/8 in. (41.3 mm)</td>
<td>10-1/2 in. (267 mm)</td>
<td>2-3/4 in. (70 mm)</td>
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<tr>
<td>Volume Expansion</td>
<td>—</td>
<td>—</td>
<td>30X</td>
<td>24X to 48X</td>
</tr>
<tr>
<td>Can be Ganged</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>Can be Lengthened</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>Insert into Cored Hole</td>
<td>9/16 in. (14 mm)</td>
<td>1 in. (25 mm)</td>
<td>2 in. (51 mm)</td>
<td>2 in. (2-3/16 in. or 2-3/8 in. 0.D.) Sleeves</td>
</tr>
<tr>
<td>Attached to Conduit</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>Fire Rating in Walls</td>
<td>Up to 2 hours</td>
<td>Up to 2 hours</td>
<td>Up to 4 hours</td>
<td>Up to 2 hours</td>
</tr>
<tr>
<td>Fire Rating in Floors</td>
<td>—</td>
<td>—</td>
<td>Up to 4 hours</td>
<td>Up to 2 hours</td>
</tr>
</tbody>
</table>

**EZDR Retrofit Device**

- **EZDR400**
  - 5-1/2 in. x 9-1/4 in.:
    - 3 in. x 3 in. (76 mm x 76 mm)
    - 4 in. x 4-5/8 in. (102 mm x 118 mm)
    - 24X to 48X
    - —
    - Up to 7 in walls
    - Up to 16 in floors
  - 6 in. (152 mm) increments:
    - 6 in. (152 mm) increments
    - —
  - 4 in. (4-1/2 in. O.D.) Sleeves:
    - 4 in. (102 mm)
    - 6 in. (152 mm)
    - YES
    - 4 in. (102 mm)
    - Up to 4 hours
    - Up to 4 hours

**Series 33**

- 5 in. x 5 in. (flange) (127 mm x 127 mm)
- 14 in. (356 mm)
- 10X
- Up to 5 in walls
- Up to 4 in walls
- —
- 4 in. (102 mm)
- 6 in. (152 mm)
- Yes
- 4 in. (102 mm)
- Up to 4 hours
- Up to 4 hours
- Not Rated
- Not Rated

**Series 44+**

- 5 in. x 5 in. (flange) (127 mm x 127 mm)
- 14 in. (356 mm)
- 10X
- Up to 5 in walls
- Up to 4 in walls
- —
- 4 in. (102 mm)
- 6 in. (152 mm)
- Yes
- 4 in. (102 mm)
- Up to 4 hours
- Up to 4 hours
- Not Rated
- Not Rated

**NEZ33**

- 5 in. x 5 in. (flange) (127 mm x 127 mm)
- 14 in. (356 mm)
- 10X
- Up to 5 in walls
- Up to 4 in walls
- —
- 4 in. (102 mm)
- 6 in. (152 mm)
- Yes
- 4 in. (102 mm)
- Up to 4 hours
- Up to 4 hours
- Not Rated
- Not Rated

**NEZ33CK2**

- 5 in. x 5 in. (flange) (127 mm x 127 mm)
- 14 in. (356 mm)
- 10X
- Up to 5 in walls
- Up to 4 in walls
- —
- 4 in. (102 mm)
- 6 in. (152 mm)
- Yes
- 4 in. (102 mm)
- Up to 4 hours
- Up to 4 hours
- Not Rated
- Not Rated

---

1. EZDR 400 width includes locking tab. Device can be rotated to any orientation. (i.e.: 6-1/4 in. H x 5-1/2 in. W)
2. NEZ33 fits 4 in. to 8 in. in width.
3. NEZ33CK-dimension measured from bottom of steel plate abutting unexposed ceiling to top of device.
Series 44+ Fire-Rated Pathway

The EZ-Path® Series 44+ Fire-Rated Pathway is a maintenance-free pathway solution designed for high cable volume conditions through fire-rated walls and floors. The Series 44+ incorporates self-sealing intumescent pads that automatically adjust to the installed cable fill without the need for user manipulation. Under fire exposure, the intumescent pads expand and swell, resisting the passage of smoke and flame.

Features & Benefits:
- Self Sealing design provides exceptional fire and smoke leakage ratings
- Allows for easy moves, adds, and changes
- Designed for new and existing conditions
- Allows for easy moves, adds, and changes
- Self Sealing design provides exceptional fire and smoke leakage ratings

Vertical Cable Solutions

Series 44+ Fire-Rated Pathway

Vertical Cable Solutions

Modular Floor Grid Systems utilize the high volume, EZ-Path® Series 44+ pathways, installed in banks of four, to provide your cabling systems with room to grow. Sturdy steel grids mount one, two, or four banks of pathways in built-in slots for a total of up to sixteen pathways through a single floor opening. A single bank floor grid comes complete with pathways. Multi-bank modular floor grids are installed with firestop panels sealing each slot. As additional cable capacity is required, firestop panels are removed, and pathway modules containing four pathways are installed in each slot.

Specialty Options

EZ-Path® Modular Floor Grid System

Modular Floor Grid Systems utilize the high volume, EZ-Path® Series 44+ pathways, installed in banks of four, to provide your cabling systems with room to grow. Sturdy steel grids mount one, two, or four banks of pathways in built-in slots for a total of up to sixteen pathways through a single floor opening. A single bank floor grid comes complete with pathways. Multi-bank modular floor grids are installed with firestop panels sealing each slot. As additional cable capacity is required, firestop panels are removed, and pathway modules containing four pathways are installed in each slot.

Specialty Options
Series 44+ Fire-Rated Pathway

Vertical Specialty Options

<table>
<thead>
<tr>
<th>UPC#</th>
<th>ITEM NO.</th>
<th>CASE QTY (min)</th>
<th>Hanger Bracket</th>
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<tbody>
<tr>
<td>00445</td>
<td>EZP444MB</td>
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<table>
<thead>
<tr>
<th>UPC#</th>
<th>ITEM NO.</th>
<th>CASE QTY (min)</th>
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<tbody>
<tr>
<td>00103</td>
<td>EZ444MB02</td>
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</tbody>
</table>

Series 33 Fire-Rated Pathway

The EZ-Path® Series 33 Fire-Rated Pathway is a maintenance-free pathway solution for moderate cable volumes through fire-rated walls and floors. The Series 33 incorporates built-in intumescent pads that automatically adjust to cable sizes. When exposed to flame and high temperatures, the intumescent pads expand to form a dense insulative char that prevents the passage of smoke and flame.

Features & Benefits:
- Self-sealing design provides exceptional fire and smoke leakage ratings
- Allows for easy moves, adds, and changes
- Designed for new and existing conditions
- Variety of accessories available for any field condition
- Available in an array of colors for easy cable pathway management

Specialty Options continued.

Series 33 Fire-Rated Pathway

Multi-Gang Plates

<table>
<thead>
<tr>
<th>UPC#</th>
<th>ITEM NO.</th>
<th>CASE QTY (min)</th>
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<tbody>
<tr>
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<td>EZP3330K</td>
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<th>UPC#</th>
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<tbody>
<tr>
<td>0033</td>
<td>EZP333W</td>
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<table>
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<tr>
<th>UPC#</th>
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<tbody>
<tr>
<td>00435</td>
<td>EZP433SK</td>
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<table>
<thead>
<tr>
<th>UPC#</th>
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<tr>
<td>0073</td>
<td>EZP733W</td>
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Specialty Options

<table>
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<tr>
<th>UPC#</th>
<th>ITEM NO.</th>
<th>CASE QTY (min)</th>
<th>New Cable Installations Through Floors Using Core Drilled Opening</th>
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<tr>
<td>00835</td>
<td>EZP133K</td>
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Series 33 Fire-Rated Pathway

**Specialty Options continued**

<table>
<thead>
<tr>
<th>UPC#</th>
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<tr>
<td>730573</td>
<td>EZP220M</td>
<td>Extension Module</td>
<td>1</td>
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<td>730573</td>
<td>EZP33PC</td>
<td>Positioning Clamps</td>
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<td>730573</td>
<td>RCM03</td>
<td>Radius Control Module</td>
<td>1</td>
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</tbody>
</table>

The EZ-Path® Series 33 Fire-Rated Pathway is a maintenance-free pathway solution for smaller cable bundles through fire-rated wall assemblies. The device is offered as a complete kit without the need for additional accessory products for installation.

**Features & Benefits:**
- Self-Sealing design provides exceptional fire and smoke leakage ratings
- Allows for easy moves, adds, and changes
- Designed for new and existing conditions
- Suits for round and rectangular openings

Series 22 Fire-Rated Pathway

The EZ-Path® Series 22 Fire-Rated Pathway is a maintenance-free pathway solution for smaller cable bundles through fire-rated wall assemblies. The device is offered as a complete kit without the need for additional accessory products for installation.

**Features & Benefits:**
- Self-Sealing design provides exceptional fire and smoke leakage ratings
- Allows for easy moves, adds, and changes
- Designed for new and existing conditions
- Suits for round and rectangular openings

**Retrofit Device**

Overfilled cable sleeves are the bane of every facilities team. Bring these deficient openings back into code compliance with the EZ-Path® Retrofit Device. Its two-part clamshell design installs around projecting sleeves and cable bundles, restoring fire and smoke leakage performance. The EZ-Path® Retrofit Device quickly and easily retrofits sleeves of up to 100% visual fill, restoring fire performance without the need for additional firestop products.

**Features & Benefits:**
- Sized for 2 in. and 4 in. metallic sleeves
- Designed for cable sleeves and stubs
- Professional fit and finish
- Safety Orange for easy identification
- Suits for round and rectangular openings

**EZ-Firestop® Grommet**

EZ-Firestop® Grommets make sealing penetrations of individual and small bundles of cables through gypsum board walls a snap. Molded from premium plumul-plastics and incorporating a soft foam inner core, EZ-Firestop® Grommets eliminate the need for sleeves, firestop putties, and sealants.

**Features & Benefits:**
- Suitable for addressing single membrane or complete through-penetrations
- Available as a single cable or multiple cable solution
- Ideal for alarm, security, or wireless access point installations
- Designed for 1 & 2 hr fire-rated gypsum board wall assemblies
- Professional finished appearance
DATA COMMUNICATIONS

Smoke & Acoustical Pathway Ceiling

These tested and approved pathways are designed for easy installation in non-rated floors and walls with cable capabilities ranging from 0-100% visual fill. The device does not require mechanical attachment to the wall or the wall framing, and it may be installed after the wallboard installation. Its split body design allows for easy installation or disassembly when working around previously installed cables in existing construction.

Features & Benefits:
- Available trade sizes 1 in. (OD=1.315 in.; 33 mm), 2 in. (OD=2.375 in.; 60 mm), 4 in. (OD=4.5 in.; 114 mm)
- All common constructions up to 10 in. (250 mm) thick
- Protect and seal cables routed through rated and non-rated floors & walls
- A preformed steel sleeve designed to facilitate new cabling penetrations
- Includes SpecSeal® Intumescent Firestop Putty sufficient for 1 in. (25 mm) depth at both ends
- Large escutcheons for concrete or masonry openings
- Large escutcheons for concrete or masonry openings
- Designed to allow new pathways to be installed around previously installed cables while tightly fastening to the edges, steel escutcheon plates with intumescent gaskets, and a dosage of our SpecSeal® SSP Firestop Putty. ReadySleeve Split Sleeve's two-piece body and plates easily capture previously installed cables while tightly fastening to the penetrated barrier.

Features & Benefits:
- Protect and seal cables routed through rated and non-rated walls & floors
- All common constructions up to 10 in. (250 mm) thick
- Available trade sizes 1 in. (OD=1.315 in.; 33 mm), 2 in. (OD=2.375 in.; 60 mm), 4 in. (OD=4.5 in.; 114 mm)
- Standard small escutcheons for accurate gypsum board openings
- Large escutcheons for concrete or masonry openings

Applications:
- Protect and seal cables routed through rated and non-rated walls & floors
- All common constructions up to 10 in. (250 mm) thick
- Available trade sizes 1 in. (OD=1.315 in.; 33 mm), 2 in. (OD=2.375 in.; 60 mm), 4 in. (OD=4.5 in.; 114 mm)
- Standard small escutcheons for accurate gypsum board openings
- Large escutcheons for concrete or masonry openings

Applications:
- Protect and seal cables routed through rated and non-rated walls & floors
- All common constructions up to 10 in. (250 mm) thick
- Available trade sizes 1 in. (OD=1.315 in.; 33 mm), 2 in. (OD=2.375 in.; 60 mm), 4 in. (OD=4.5 in.; 114 mm)
- Oversized or irregular openings

Table of contents:
- Single Pathway - Full kit
- Two Gang Pathway
- Four Gang Pathway
- Retrofit Mounting Plates Kit
- Wall-penetrating new and existing cables around previously installed cables where a large opening has been created.

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Test standards:
- ASTM E814(UL 1479), CAN/ULC S115
- ASTM E814(UL 1479), CAN/ULC S115
- ASTM E814(UL 1479), CAN/ULC S115
- ASTM E814(UL 1479), CAN/ULC S115
- ASTM E814(UL 1479), CAN/ULC S115

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- Wall-penetrating new and existing cables around previously installed cables where a large opening has been created.

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**cable penetration solutions**

**SSB Firestop Pillows**

SpecSeal® SSB Firestop Pillows easily compress and conform around any penetrant. Equally suited for new or existing conditions, SpecSeal® Pillows make short work of even the most complex through-penetration firestop conditions.

**Features & Benefits:**
- Intumescent — expands in all directions for a tough, tight seal
- Single side application makes installation easy for tough access openings
- Re-installable for easy retrofitting of cables
- Heat-sealed poly cover protects core and makes pillows slide in and out with ease
- Superior air leakage ratings — broad base of tested systems
- Lightweight — easier installation
- Heat-sealed poly bag — strong and durable, no sewn seams
- No special tools required
- Monolithic Encapsulated Core: No loose fill

**Applications:**
- Medium to large openings through common constructions
- Loose cable for power, voice, and data
- Single or multiple cable trays for power, voice, and data
- Multiple metallic conduits and tubing
- Multiple, mixed penetrants of all types
- Bus ducts, HVAC ducts, steel angles are not required on small HVAC ducts
- Bus ducts, HVAC ducts, steel angles are not required on small HVAC ducts

**Composite Sheet**

SpecSeal® Composite Sheet is the ideal solution for large openings where a permanent seal is required. Composite Sheet is a lightweight, rigid fire resistant panel consisting of an intumescent layer bonded to a galvanized steel sheet reinforced with steel wire mesh covered with aluminum foil. Composite sheet partners with other SpecSeal® firestop products, such as Firestop Collars and EZ-Path® Devices, to size down oversized openings. Custom sizes available upon request.

**Features & Benefits:**
- Lighter and thinner—approximately 1/2 the weight and thickness of traditional composite sheet
- Easier to fabricate—engineered with the installer in mind
- Can be cut and installed with common sheet metal tools
- Intumescent—expands up to 15 times when exposed to temperatures in excess of 350°F (177°C) compared to 8-10 times for competing brands; forms a dense insulative char that minimizes heat transfer
- Hole reduction—reduces large openings when used in conjunction with other SpecSeal® or EZ-Path® Products
- Acoustically tested—reduces sound transmission

**Applications:**
- Medium to large openings through common constructions
- Single or multiple cable trays for power, voice, and data
- Multiple metallic conduits and tubing
- Multiple mixed penetrants of many types
- Suitable for clean room/area environment
- Combine with the EZ-PATH® System for cable penetrations through large openings
- Insulated metallic pipes, plastic pipes, and metal pipes
- Blank openings
- Bus ducts, HVAC ducts

**Putty**

SpecSeal® Putty is a non-hardening, insulating putty easily installed and removed making it the perfect choice for cable penetrations requiring occasional retrofitting.

**Features & Benefits:**
- Non-hardening, for easy installation and retrofitting of cables
- Two-stage intumesces provides aggressive expansion
- Highly adhesive—stays put
- Unaffected by humidity, condensation, and water
- Soft, pliable, and easy to install
- Tested and proven acoustical properties
- No tools required

**Applications:**
- Small to medium openings through common constructions
- Sleeved openings for cable bundles
- Conduits

For Putty Pads see page 34

**cable penetration solutions**

**Intumescent Firestop Plug**

SpecSeal® FP Intumescent Firestop Plugs are easy to install, creating a robust seal against fire and smoke. Firestop plugs make an excellent solution for temporary installation overnight, as well as permanent long-term seals for blank openings, and cable penetrations through common construction such as concrete or gypsum board. Sized to fit 2 in. and 4 in. diameter openings, firestop plugs make sealing conduit stubs and sleeves a breeze.

**Features & Benefits:**
- Intumescent—expands in all directions
- Easy to install—no special tools required
- Re-installable—easy retrofitting of cables
- Soft and resilient foam—conforms to cable surfaces
- Paintable—can be painted to match surroundings

**Applications:**
- Blank openings in sleeved concrete wall/floor
- Blank openings in sleeved gypsum board steel or wood stud walls
- Cable Penetrations in sleeved concrete wall/floor
- sleeved gypsum board steel or wood stud walls
- Max 2 in. diameter metallic and nonmetallic shower drain pipe

**Putty**

SpecSeal® Putty is a non-hardening solution for cable penetrations requiring occasional retrofitting.

**Features & Benefits:**
- Non-hardening, for easy installation and retrofitting of cables
- Two-stage intumesces provides aggressive expansion
- Highly adhesive—stays put
- Unaffected by humidity, condensation, and water
- Soft, pliable, and easy to install
- Tested and proven acoustical properties
- No tools required

**Applications:**
- Small to medium openings through common constructions
- Sleeved openings for cable bundles
- Conduits

For Putty Pads see page 34

**Composite Sheet**

SpecSeal® Composite Sheet is the ideal solution for large openings where a permanent seal is required. Composite Sheet is a lightweight, rigid fire resistant panel consisting of an intumescent layer bonded to a galvanized steel sheet reinforced with steel wire mesh covered with aluminum foil. Composite sheet partners with other SpecSeal® firestop products, such as Firestop Collars and EZ-Path® Devices, to size down oversized openings. Custom sizes available upon request.

**Features & Benefits:**
- Lighter and thinner—approximately 1/2 the weight and thickness of traditional composite sheet
- Easier to fabricate—engineered with the installer in mind
- Can be cut and installed with common sheet metal tools
- Intumescent—expands up to 15 times when exposed to temperatures in excess of 350°F (177°C) compared to 8-10 times for competing brands; forms a dense insulative char that minimizes heat transfer
- Hole reduction—reduces large openings when used in conjunction with other SpecSeal® or EZ-Path® Products
- Acoustically tested—reduces sound transmission

**Applications:**
- Medium to large openings through common constructions
- Single or multiple cable trays for power, voice, and data
- Multiple metallic conduits and tubing
- Multiple mixed penetrants of many types
- Suitable for clean room/area environment
- Combine with the EZ-PATH® System for cable penetrations through large openings
- Insulated metallic pipes, plastic pipes, and metal pipes
- Blank openings
- Bus ducts, HVAC ducts

**Putty**

SpecSeal® Putty is a non-hardening, insulating putty easily installed and removed making it the perfect choice for cable penetrations requiring occasional retrofitting.

**Features & Benefits:**
- Non-hardening, for easy installation and retrofitting of cables
- Two-stage intumesces provides aggressive expansion
- Highly adhesive—stays put
- Unaffected by humidity, condensation, and water
- Soft, pliable, and easy to install
- Tested and proven acoustical properties
- No tools required

**Applications:**
- Small to medium openings through common constructions
- Sleeved openings for cable bundles
- Conduits
STI offers a variety of versatile and cost-effective firestopping solutions for addressing Mechanical, Plumbing, and Electrical Penetrations through Fire-Rated construction.

**Sealants**

**Intumescent Sealant**

Premium grade, water-based firestop sealant featuring STI’s patented two-stage intumescent technology. The perfect choice for the broadest array of combustible and noncombustible penetrants requiring a permanent, durable seal.

**Features & Benefits:**
- Patented two-stage intumescent technology—extremely fast and directionalized expansion
- Water-based—easy installation, cleanup, and disposal
- Excellent smoke seal
- Low shrinkage/sandable and paintable (when dry)
- Acoustically tested—reduces noise transmission
- Auto-bonding—allows fresh sealant to adhere to cured sealant
- Water-resistant—will not re-emulsify when dry
- Safe—low VOCs, no solvents, non-halogenated

**Applications:**
- Metallic pipes, conduits, and tubing
- Nonmetallic pipes, conduits, and tubing (small diameter)
- Insulated pipes
- Multi-service penetrations including AC line sets, electrical, telephones, or TV service entrance and interior penetrations
- Great choice for industrial and institutional power and utility
- Complete wood floor firestopping package for electrical, plumbing, HVAC, TV, and telephone
- Cable, cable trays, and bus duct
- HVAC ductwork

**Product Details:**
- **Features & Benefits:**
  - Fast-acting intumescent—expands up to 10X
  - Water-based—easy installation, cleanup, and disposal
  - Excellent smoke seal
  - Acoustically tested—reduces noise transmission
  - Auto-bonding—allows fresh sealant to adhere to cured sealant
  - Sandable and paintable (when dry)
  - Water-resistant—will not re-emulsify when dry
  - Safe—low VOCs, no solvents, non-halogenated

**Applications:**
- Metallic pipes, conduits, and tubing
- Nonmetallic pipes, conduits, and tubing
- Electrical and electronic cabling including service entrance, power distribution, computer, telephone, and television
- Metal ductwork including HVAC, bath, and dryer vents
- Insulated pipes including heating, cooling, and condensation applications
- Complete wood floor firestopping package for electrical, plumbing, HVAC, TV, and telephone
- Construction joints

**TEST STANDARDS:**
- ASTM E814 (UL 1479), CAN/ULC S115
- ASTM E84 (UL 723), ASTM E90

**Permanent Solution**

**Light Red Color**

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<tr>
<th>UPC</th>
<th>CAT NO.</th>
<th>DESCRIPTION</th>
<th>QTY</th>
<th>CASE QTY</th>
<th>WEIGHT</th>
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<tr>
<td>01100</td>
<td>SSS100</td>
<td>10.1 oz. Tube (18.2 cu. in., 300 ml)</td>
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<td>12</td>
<td>0.9 lbs (0.4 kg)</td>
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<td>SSS102</td>
<td>2 gal. Pail (750 cu. in., 12.5 L)</td>
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<td>n/a</td>
<td>25 lbs (11.4 kg)</td>
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<tr>
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<td>SSS105</td>
<td>5 gal. Pail (1,500 cu. in., 25 L)</td>
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<td>n/a</td>
<td>51 lbs (23.2 kg)</td>
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<tr>
<td>01133</td>
<td>SSS120</td>
<td>20 oz. Sausage (36 cu. in., 592 ml)</td>
<td>1</td>
<td>12</td>
<td>1.5 lbs (0.7 kg)</td>
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<tr>
<td>01129</td>
<td>SSS129</td>
<td>29 oz. Tube (52 cu. in., 858 ml)</td>
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<td>12</td>
<td>2.49 lbs (1.1 kg)</td>
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**UPC#** 730573

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<tr>
<td>01170</td>
<td>LCI300</td>
<td>10.1 oz. Tube (18.2 cu. in., 300 ml)</td>
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<td>12</td>
<td>0.94 lbs (0.42 kg)</td>
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<tr>
<td>01175</td>
<td>LCI305</td>
<td>5 gal. Pail (1,155 cu. in., 19 L)</td>
<td>1</td>
<td>n/a</td>
<td>50 lbs (22.7 kg)</td>
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<td>01172</td>
<td>LCI320</td>
<td>20 oz. Sausage (36 cu. in., 592 ml)</td>
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<td>12</td>
<td>1.59 lbs (0.72 kg)</td>
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**TEST STANDARDS:**
- ASTM E814 (UL 1479), ASTM E1966 (UL 2079), CAN/ULC S115, ASTM E84 (UL 723), ASTM E90

**Premium Grade, Water-Based Firestop Sealant**

A great combination of price and performance in a firestop sealant. Commercial grade intumescent sealant is specifically engineered and tested to economically address many common firestop applications that represent a significant part of the overall market.

**Features & Benefits:**
- Patented two-stage intumescent technology—extremely fast and directionalized expansion
- Water-based—easy installation, cleanup, and disposal
- Excellent smoke seal
- Acoustically tested—reduces noise transmission
- Auto-bonding—allows fresh sealant to adhere to cured sealant
- Sandable and paintable (when dry)
- Water-resistant—will not re-emulsify when dry
- Safe—low VOCs, no solvents, non-halogenated

**Applications:**
- Metallic pipes, conduits, and tubing
- Nonmetallic pipes, conduits, and tubing
- Electrical and electronic cabling including service entrance, power distribution, computer, telephone, and television
- Metal ductwork including HVAC, bath, and dryer vents
- Insulated pipes including heating, cooling, and condensation applications
- Complete wood floor firestopping package for electrical, plumbing, HVAC, TV, and telephone
- Construction joints

**TEST STANDARDS:**
- ASTM E814 (UL 1479), CAN/ULC S115, ASTM E84 (UL 723), ASTM E90

**Permanent Solution**

**Light Red Color**

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- Sandable and paintable (when dry)
- Water-resistant—will not re-emulsify when dry
- Safe—low VOCs, no solvents, non-halogenated

**Applications:**
- Metallic pipes, conduits, and tubing
- Nonmetallic pipes, conduits, and tubing
- Electrical and electronic cabling including service entrance, power distribution, computer, telephone, and television
- Metal ductwork including HVAC, bath, and dryer vents
- Insulated pipes including heating, cooling, and condensation applications
- Complete wood floor firestopping package for electrical, plumbing, HVAC, TV, and telephone
- Construction joints

**TEST STANDARDS:**
- ASTM E814 (UL 1479), CAN/ULC S115, ASTM E84 (UL 723), ASTM E90

**Premium Grade, Water-Based Firestop Sealant**

A great combination of price and performance in a firestop sealant. Commercial grade intumescent sealant is specifically engineered and tested to economically address many common firestop applications that represent a significant part of the overall market.

**Features & Benefits:**
- Patented two-stage intumescent technology—extremely fast and directionalized expansion
- Water-based—easy installation, cleanup, and disposal
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## Features & Benefits:
- **Water-resistant**—will not re-emulsify when dry
- **Sandable/paintable** (when dry)
- **Excellent smoke seal**
- **Auto-bonding**—allows fresh sealant to adhere to cured sealant

### Applications:
- **Neutral cure**
- **UL**-tested for W ratings

**Endothermic Sealant**

- **Great choice for industrial and institutional**
- **Complex multiple penetrants**
- **Metallic pipes, conduits, and tubing**
- **Excellent smoke seal**
- **Safe**—low VOCs, no solvents, non-halogenated
- **Sandable/paintable** (when dry)
- **Auto-bonding**—allows fresh sealant to adhere to cured sealant
- **Endothermic fillers**—absorb heat and release water
- **Water-based**—easy installation, cleanup, and disposal

### Test Standards:
- **ASTM E814 (UL 1479), ASTM E1966 (UL 2079), CAN/ULC S115, ASTM E84 (UL 723), ASTM E90**
- **STC**
- **ACOUSTICAL**
- **Solution**
- **Permanent**

## Silicone Sealant

**A high performance silicone firestop sealant tested to resist the passage of smoke, flame, and water through construction joints and through penetrations.**

### Features & Benefits:
- **Low modulus**—allows up to +/-35% movement capability
- **Auto-bonding**—allows fresh sealant to adhere to cured sealant
- **Water-resistant**—for water-tight sealing
- **Ozone and UV-resistant**—for excellent weathering ability and long service life
- **Superb chemical resistance**—best choice in polluted or corrosive atmospheres
- **Outstanding adhesion to most building substrates** (primers and adhesives)
- **Acoustically tested**—reduces noise transmission
- **Excellent smoke seal**

### Applications:
- **Slab Edge/Curtain wall, safety, and construction gaps**
- **Through-penetrations and joints**
- **High temperatures or movement**
- **Electrical, data, or telephone cables**
- **Seismic and expansion joints**
- **Top-of-wall joints**
- **Single or multiple-metallic pipes, conduits, and tubing**

### Test Standards:
- **STC**
- **ACOUSTICAL**
- **Solution**
- **Permanent**

## Intumescent Firestop Caulk

**Designed for use in sealing through-penetrations and gaps in wood frame construction.**

### Features & Benefits:
- **Economical**—delivers maximum fire protection at the right price
- **Water-based**—easy installation, cleanup, and disposal
- **Intumescent**—expansion fills gaps or voids caused by wood shrinkage, burning or melting of combustible materials
- **Acoustically tested**—reduces noise transmission
- **Auto-bonding**—allows fresh sealant to adhere to cured sealant
- **Excellent smoke seal**
- **Sandable/paintable** (when dry)
- **Water-resistant**—will not re-emulsify when dry

### Applications:
- **Through-penetrations and gaps in wood frame construction**

### Test Standards:
- **UL1479 (<or equal to 1 CFM Leakage), ASTM E84 (UL 723), CAN/ULC S115, ASTM E84 (UL 723), ASTM E90**
- **STC**
- **ACOUSTICAL**
- **Solution**
- **Permanent**

## Smoke’N’Sound Acoustical Sealant

**A high quality acrylic latex sealant designed for sealing through-penetrations (such as pipes, conduits, cabling, busways, and openings) and membrane penetrations (such as p-traps and outlet boxes) in smoke resistant walls.**

### Features & Benefits:
- **Economical**—high performance without the high price
- **Water-resistant**—will not re-emulsify when dry
- **Water-based**—easy installation, cleanup, and disposal
- **Remains flexible**—allows movement
- **Acoustically tested**
- **Safe**—low VOCs—no solvents, and non-halogenated
- **Paintable** (when dry)
- **Auto-bonding**—allows fresh sealant to adhere to cured sealant

### Applications:
- **Smoke control** where stopping the passage of smoke is necessary such as in smoke partition walls
- **Noise control** where reducing the transmission of sound through wall openings is necessary to help ensure occupant privacy and peaceful environment
- **Infectious control** where reducing the transmission of dust and other airborne particulates through wall openings is necessary

### Test Standards:
- **UL1479 (<or equal to 1 CFM Leakage), ASTM E84 (UL 723), ASTM C734, ASTM C834, ASTM C1919, ASTM C920, ASTM E90**
- **STC**
- **ACOUSTICAL**
- **Solution**
- **Permanent**
**Smoke‘N’Sound Acoustical Spray**

SpecSeal® Smoke ‘N’ Sound spray is a high quality acrylic latex spray designed for static or minimally dynamic linear joints or gaps.

SpecSeal® Smoke ‘N’ Sound spray is formulated to adhere to all common construction surfaces and may be applied using airless spray equipment or with a brush (for small applications and touch ups).

**Features & Benefits:**
- Water-based—easy for installation and cleanup
- Excellent smoke seal
- Acoustically tested—reduces noise transmission
- High build characteristics
- Safe—low VOCs—no solvents, and non-halogenated
- Economical spray application saves labor
- Auto-bonding—allows fresh spray to adhere to cured spray
- Low abrasion—longer pump life and less maintenance
- Paintable (when dry)

**Applications:**
- Smoke control: where stopping the passage of smoke is necessary such as in smoke partition walls
- Noise control: where reducing the transmission of sound through wall openings is necessary to help ensure occupant privacy and peaceful environment
- Infection/dust control: where reducing the transmission of dust and other airborne particulates through wall openings is necessary

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**Firestop Mortar**

SpecSeal® SSM Firestop Mortar is a lightweight, cost-effective solution for oversized openings in concrete walls and floors. Once mixed with water, SpecSeal® Mortar forms a lightweight, low density slurry that easily applies into concrete walls and floors. SpecSeal® Mortar cures quickly and will not spill or crack due to freezing or changes in temperature.

**Features & Benefits:**
- Lightweight/low density—less forming and support required—easy retrofit
- Fast drying—forms come down faster
- Economical—highest yield per pound means lower installed cost
- Wide range of applications—includes aluminum cable tray
- Red color—easy identification and inspection.
- Chemical adhesion—reduces the need for expensive and time-consuming concrete fasteners
- Trowel-able or self-leveling
- Paintable

**Applications:**
- Medium to large openings through common constructions
- Loose cable for power, voice, and data
- Bus ducts
- Multiple metallic conduits, and lightweight tubing
- Multiple mixed materials of all types

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**Intumescent Firestop Collars**

Factory-manufactured firestop devices sized to plastic pipes of up to 6 in. Trade Size. SSC Collars consist of a restraining collar with a factory applied intumescent ensuring the correct amount of material is applied every time. Under fire exposure, SSC Collars quickly expand and collapse combustible piping forming a dense char, resisting the passage of smoke and flame.

**Features & Benefits:**
- Easy installation—uses STI’s quick closure system
- Water-resistant—no water soluble or hygroscopic ingredients
- Fast-acting expansion (up to 60X)—to seal off burning pipes
- Safe for contact with plastics
- Tested to 50 Pa of pressure (CAN/ULC S115)

**Applications:**
- Protects a variety of plastic pipes—XFR PVC, PVC, PVC Foam Core (ccPVC), CPVC, ABS, ABS Foam Core (ccABS), FRPP, PP, PVDF, and HDPE pipes
- Ventilated (DVV) and closed (electrical conduit and water supply) installations

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**Intumescent Firestop Collars**

Adapts to the size combustible pipe that you are working with. One collar is designed to address standard 3 in. and 4 in. plastic pipes as well as their associated couplings. RTC Firestop Collars adaptable nature makes them an excellent tool to have at hand when bringing combustible penetrations up to code.

**Features & Benefits:**
- Adjustable—one collar fits 3 in. and 4 in. pipes and corresponding couplings
- Rapid expansion—closes off burning pipes quickly
- Small profile—use it in all the tight spots
- Flexible and 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
- Replaces traditional field installed wrap strip/restraining collar systems for pipe couplings
- Reduces inventory—one convenient product covers 3 in. and 4 in. trade size pipes. Use sealant for 2 in. and smaller trade size pipes

**Applications:**
- Protects a variety of plastic pipes and couplings including PVC, PVC Cellular Core (ccPVC), CPVC, ABS, and ABS Cellular Core (ccABS)
- Both vented (DVV) and closed (electrical conduit or water supply) installations
- All common constructions including concrete floors, concrete over steel deck, concrete walls, concrete block wall, gypsum board/stud walls, wood flooring/ceiling assemblies

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**TEST STANDARDS:**
- **ASTM E164 (UL 723), ASTM C734, ASTM C919, ASTM E90**
- **ASTM E84 (UL 723)**
- **CAN/ULC S115**

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**TEST STANDARDS:**
- **ASTM E164 (UL 1479), CAN/ULC S115**
Intumescent Firestop Collars

Factory-manufactured firestop devices sized to plastic pipes of up to 4 in. trade size.

Collars consist of a restraining collar with a factory applied intumescent ring ensuring the correct amount of material is applied every time. Simplify the process of firestopping combustible piping by taking the guess work out of estimating with SpecSeal® LCC Firestop Collars.

Features & Benefits:
- Easy installation—uses STI’s quick closure system
- Compact profile—use in all the tight spots
- Water-resistant—no water soluble or hygroscopic ingredients
- Fast-acting expansion (up to 600)—seal off burning pipes
- Safe for contact with plastics

Applications:
- Protection of plastic pipes—PVC, PVC Foam Core (ccPVC), CPVC, ABS, ABS Foam Core (ccABS), FRPP, PP, PVDF, and HOPS pipes
- Vented (DVM) and closed (jailcellдумал) and water supply installations

Features & Benefits:
- Premium grade wrap strip for more exotic plastics or optimized for various tuck-in methods and larger pipes. It is provided in 1-1/2 in. wide by 12 ft. rolls or individually pre-sized strips.
- Made in both 12 ft. (366 cm) and 20 ft. (609 cm) rolls.
- BLU2®—General purpose wrap strip good for most common penetrants. It is provided in 1-1/2 in. wide by 1/8 in. thick by 12 ft. (38 x 3 mm x 366 cm) rolls.
- BLU®—Premium grade wrap for more exotic plastics or optimized for various tuck-in methods and larger pipes. It is provided in 1-1/2 in. wide by 1/8 in. thick by 12 ft. (38 x 3 mm x 366 cm) rolls.

Applications:
- Insulates char that minimizes heat transfer
- Provides a fire stop solution in accordance with NFPA 80 for combustible piping
- Accepts a variety of penetrants including multiple metallic pipes, conduit and tubing

Features & Benefits:
- Intumescent—expands up to 15 times when exposed to fire
- Single side application makes installation easy for tough access openings
- Re-installable for easy retrofitting of cables
- Heat-sealed poly cover protects core and makes pipe slides in and out with ease
- Superior air leakage ratings— broad base of tested systems
- Lightweight—easier installation
- Heat-sealed poly bag—strong and durable
- No special tools required
- Monolithic Encapsulated Core: No loose fill

Applications:
- Medium to large openings through common constructions
- Single or multiple cable trays for power, voice and data
- Multiples of metallic conduits and tubing
- Multiple, mixed penetrants of all types
- Bus ducts, HVAC ducts, and steel angles not required on small HVAC ducts

Intumescent Wrap Strips

Available in a variety of sizes and types to tackle any combustible penetrations. SSW Wrap Strips are available in convenient rolls or individually pre-sized strips.

SSW® Series—Made in both 12 ft. (366 cm) rolls and pre-cut strips. Our SSW® Series comes in a variety of thicknesses ranging from 1/8 in. (3 mm) to 0.89 in. (22.5 mm) and widths ranging from 1-1/2 in. (38 mm) to 2-1/2 in. (64 mm) to handle the most demanding applications.

Features & Benefits:
- Rapid intumescent expansion—closes off burning penetrants quickly
- Water resistant—no water soluble or hygroscopic ingredients
- Soft and flexible—easy to cut, and easy to wrap
- Suitable for use in field-assembled collars or tuck-in applications

Applications:
- Insulates char that minimizes heat transfer
- Provides a fire stop solution in accordance with NFPA 80 for combustible piping
- Accepts a variety of penetrants including multiple metallic pipes, conduit and tubing
- Multiple mixed penetrants of many types
- Suitable for clean room/area environment
- Combines with the EZ-Path® System for cable penetrations through large openings
- Insulated metallic pipes, plastic pipes, and metal pipes
- Black openings
- Bus ducts, HVAC ducts

Composite Sheet

SpecSeal® Composite Sheet is the ideal solution for large openings where a permanent seal is required. Composite Sheet is a lightweight, rigid fire resistant panel consisting of an intumescent layer bonded to a monolithic encapsulated core. No sewn seams to unravel or tear. No irritating fiberglass or other fiberglass. No need to wrap strips.

Applications:
- Medium to large openings through common constructions
- Single or multiple cable trays for power, voice and data
- Multiple metallic conduits and tubing
- Multiple mixed penetrants of many types

Features & Benefits:
- Lighter and thinner—approximately 1/2 the weight and thickness of the traditional composite sheet
- Easier to fabricate—engineered with the installer in mind
- Can be cut and installed with common sheet metal tools
- Intumescent—expands up to 15 times when exposed to temperature in excess of 350°F (177°C) compared to 8-10 times for competing brands. Forms a dense insulating char that minimizes heat transfer
- Hole reduction—reduces large openings when used in conjunction with other SpecSeal or EZ-Path® Products
- Acoustically tested—reduces sound transmission

LCC Collars, wrap strips

Collars, wrap strips

SpecSeal® SSB Firestop Pillows easily compress and conform around any penetrant. Equally suited for new or existing conditions, SpecSeal® Pillows make short work of even the most complex high-penetration firestop conditions.

Features & Benefits:
- Intumescent—expands in all directions for a tough, tight seal
- Single side application makes installation easy for tough access openings
- Re-installable for easy retrofitting of cables
- Heat-sealed poly cover protects core and makes pillows slide in and out with ease
- Superior air leakage ratings— broad base of tested systems
- Lightweight—easier installation
- Heat-sealed poly bag—strong and durable
- No special tools required
- Monolithic Encapsulated Core: No loose fill

Applications:
- Medium to large openings through common constructions
- Single or multiple cable trays for power, voice, and data
- Single or multiple cable trays for power, voice, and data
- Multiple metallic conduits and tubing
- Multiple, mixed penetrants of all types
- Bus ducts, HVAC ducts, and steel angles not required on small HVAC ducts
**Cast-In Firestop Device**

Eliminate coring and firestop before the concrete pour with SpecSeal® CID. Cast-In Firestop Devices, SpecSeal® Cast-In Devices are a sleeve, concrete core, and firestop rolled into a single device. Custom sizes available upon request.

**Features & Benefits:**
- **Saves money by eliminating core drilling**
- **Saves time. No firestopping step required**
- **Provides pre-installed fire and smoke sealing**
- **Provides added protection against transient water**
- **Adapts to a wide variety of construction conditions**
- **Pipes can be installed from top or bottom**
- **Four heights for a greater range of concrete depths**

**Applications:**
- **2 in., 3 in., 4 in., and 6 in. Trade Size plastic or metallic pipes**
- **Insulated metallic pipes**
- **Cable bundles**
- **Concrete ranging in depth from 2-1/2 in. (64 mm) to 8 in. (204 mm)**
- **Concrete greater than 8 in. (204 mm)**
- **Using available extension tubes**
- **Concrete over steel decks using available Deck Adapter Kit**

**Test Standards:** ASTM E814 (UL 1479), CAN/ULC S115

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**FyreFlange™ HVAC Firestop Angle**

FyreFlange™ Firestop Angle is a single step solution to addressing HVAC ductwork penetrations. FyreFlange™ consists of a heavy steel angle with an intumescent firestop facing, sealing against fire and smoke while reinforcing ductwork under exposure. Eliminate the headaches of staging and multiple inspections of traditional firestopping with FyreFlange™.

**Features & Benefits:**
- **Single stage installation**
- **Economical—saves labor**
- **Clearly marked for easy inspection**
- **No additional firestop or backing material required**
- **Eliminates the need for multiple inspections**
- **Can be installed over or under duct installation**

**Applications:**
- **For use with max. 2 in. thick light density insulation, insulated or non-insulated ducts in walls**
- **UL® Certified systems for HVAC ducts through masonry walls and gypsum board steel or wood stud walls and concrete floors**

**Test Standards:** ASTM E814 (UL 1479), CAN/ULC S115

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**Close Flange Firestop Gasket**

SpecSeal® Closet Flange Firestop Gaskets are one-piece, molded rubber, intumescent pads that install beneath a 3 in. or 4 in. (76 mm or 102 mm) closet flange to effectively firestop the opening. The die cut rubber gasket is perforated to delineate removable inserts sized to accommodate various outer diameters of toilet flanges.

**Features & Benefits:**
- **Seamless fit for fast, easy installation with no tools required**
- **Lower installation cost**
- **Footproof installations**
- **Installs from the top, saving labor**
- **No caulk to clean up**
- **Always ready to use—no shelf life—no caulk tubes to dry out**
- **UL® Certified code compliant**

**Applications:**
- **Designed to allow the drain pipe connected to a toilet flange to be properly firestopped without the need for firestop caulk for typical floor assemblies with plastic or metal pipes**
- **Iron toilet flange and drain pipe through min 2-1/2 in. thick concrete floor and wood floor/overlay assembly**
- **PVC & ABS toilet flange and drain pipe through min 2-1/2 in. thick concrete floor and wood floor/overlay assembly**

**Test Standards:** ASTM E814 (UL 1479), CAN/ULC S115
puts, putty, & pads

Intumescent Firestop Plug

SpecSeal® FP intumescent Firestop Plugs are easy to install, creating a robust seal against fire and smoke. Firestop plugs make an excellent solution for temporary installation overnight, as well as permanent long-term seals for blank openings, and cable penetrations through common construction such as concrete or gypsum board. Sized to fit 2 in. and 4 in. diameter openings, firestop plugs make sealing conduit stubs and sleeves a breeze.

Features & Benefits:
- Intumescent—expands in all directions
- Fire-resistant—easy retrofitting of cables
- Easy to install—no special tools required
- Soft and resilient foam—conforms to cable surfaces
- Paintable—can be painted to match surroundings

Applications:
- Blank openings in sleeved concrete wall/floor and sleeved gypsum board steel or wood stud walls
- Cable penetrations in sleeved concrete wall/floor and sleeved gypsum board steel or wood stud walls
- Max 2 in. diameter metallic and nonmetallic schedule pipe

Putty Features & Benefits:
- Non-hardening for easy installation
- Can be painted to match surroundings
- Perfect choice for cable penetrations requiring occasional retrofitting. It can be used in conjunction with specseal and sleeved cable

Applications:
- Paintable—can be painted to match surroundings
- Easy to install—no special tools required
- Intumescent—expands in all directions
- Tested and proven acoustical properties
- One step installation saves time and labor

Cable Spray

SpecSeal® Cable Spray is a water-based, spray-applied coating used to limit flame propagation and improves flame spread characteristics for grouped electrical cables.

Features & Benefits:
- Easy installation
- Water-based easy cleanup, installation, and disposal
- Low friction formula—less pump wear
- Contains no inorganic fibers, asbestos, or solvents
- Factory Mutual tested and approved

Applications:
- Encapsulate grouped cables.
- Apply as fire breaks in cable tray run

PowerShield® Electrical Box Insert

SpecSeal® PowerShield® Electrical Box Inserts install within steel electrical boxes directly against the back of the box. PowerShield® Box inserts are equally suited for remediation as well as installation before the boxes have made it to the job site. PowerShield® Box inserts incorporate pre-scored openings allowing for easy installation around ground lugs.

Features & Benefits:
- Easy installation—just peel and stick to inside of box
- Can be installed before or after wall is closed
- Non-conductive liner face and safe for use inside box
- Easy retrofit installation
- Rapid expansion, up to 24X, quickly seals off the passage of fire and smoke
- Low profile for minimum impact on box volume
- Tested and proven acoustical properties

Applications:
- Single and multi-gang metallic boxes up to 14 in. (356 mm) long
- Plastic and steel faceplates
- 1 and 2 hour wood or steel stud walls

TBW Thermal Barrier Wrap

STI Thermal Barrier Wrap is the ideal solution for large electrical panels and motor gas valve stations installed in fire-rated construction. When installed around electrical conduits or cable trays, Thermal Barrier Wrap provides up to 2 hours of electrical circuit integrity ensuring circuit performance even when immersed in flame.

Features & Benefits:
- Flexible material—easy to install, even on small diameter conduits
- Tested to ASTM E1725 (UL 1724) for electrical circuit integrity
- Tested to ASTM E1441 (25.4 mm) and CAN/ULC-S115 for firestopping of metallic penetrations installed in fire rated walls
- Does not contain refractory ceramic fiber (RCF)
- Partners with other SpecSeal® Firestop Products

Cable Features & Benefits:
- A way of electrical circuits
- Waterproof

Applications:
- Used in construction
- Can be used to protect electrical circuits

Cable Specifications:
- Non-metallic steel or aluminum
- Conductor size
- Sheath material

Cable Features & Benefits:
- Easy installation
- Non-conductive liner face
- Safe for use inside box
- Easy retrofit installation
- Rapid expansion, up to 24X
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- Low profile for minimum impact on box volume
- Tested and proven acoustical properties
- One step installation saves time and labor

Applications:
- Single and multi-gang metallic boxes up to 14 in. (356 mm) long
- Plastic and steel faceplates
- 1 and 2 hour wood or steel stud walls

Putty Features & Benefits:
- Non-hardening for easy installation
- Can be painted to match surroundings
- Perfect choice for cable penetrations requiring occasional retrofitting. It can be used in conjunction with specseal and sleeved cable

Applications:
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- Paintable—can be painted to match surroundings
- Easy to install—no special tools required
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- Tested and proven acoustical properties
- One step installation saves time and labor
A building’s facade is distinctive. Perimeter fire barrier systems in high rise construction are an important life safety consideration, but sound fire containment practices should not interfere with design aesthetics. As a designer or builder, you need perimeter fire barrier systems that afford adaptability to work with your design, and STI can help.

System Coverage Breadth Matters
STI Firestop, the leader in tested and listed curtain wall perimeter fire barrier systems, offers greater flexibility to conform to your design.

Perimeter fire barrier systems are code mandated, and code officials, authorities having jurisdiction (AHJ), or other inspectors verifying building code compliance can scrutinize slab-edge conditions. More tested and listed systems means a greater probability of code conformance, and that keeps your project on track.

Codes & Technology
Curtain wall perimeter fire barrier systems are tested to ASTM E2307. This test method uses a two-story structure known as the intermediate scale multi-story test apparatus (ISMA). The ISMA structure subjects the test assembly to fire exposure from two sides simultaneously with an exterior burner that replicates a fire induced window break. A perimeter fire barrier system must withstand the passage of flame from the lower floor to the upper floor via the gap between the floor and curtain wall.

Building codes, such as the International Building Code® (IBC) and NFPA® 5000, include provisions for preventing the floor-to-floor spread of fire and specifically refer to ASTM E2307.

Tested and Listed Systems Ensure Code Compliance
STI Firestop understands the nuances of curtain wall and perimeter fire barrier systems because of our commitment to research and development. With more tested and listed systems for perimeter fire barrier systems than any other manufacturer, our versatile solutions conform to virtually any jobsite condition.

Back Pan Curtain Walls: Our patented shelf-system replicates real world curtain wall construction. It is the only practical system that can be built in a factory.

Shorter Spandrels; Lower Sill Heights: Accommodates more vision glass.

More Facade Types: Glass (opaque or clear), aluminum, stone, brick veneer, EIFS, GFRC, precast concrete, composite metal panels, and more.

Multiple Insulation Attachments: A variety of tested methods to support and attach curtain wall insulation offers unmatched flexibility in the field and lowers the overall cost of installation.

Pipes & Cables Through Floor Gap: Pipes for radiators or electrical cables are tested to pass through the safing gap.

Fire Ratings: Tested and listed systems up to 4 hours have you covered.

All Major Mineral Wool Brands: Testing for all commercially available mineral wool brands.

Block Smoke Leakage: Low L Ratings (<1 CFM/LF) included in systems to confirm ability of coating to limit air and smoke movement.

Real World Movement: Dynamic tests replicate real world movement ranges and remain practical to install for construction workers using common tools and methods.

Acoustics: Superior STC Ratings to help mitigate the effects of sound flanking at the slab edge.

Water-Resistance: Products dry quickly and will not re-emulsify. Watertight/all weather grade available.
backpans, aluminum frames

Backpans
Unitized backpan designs have become increasingly popular, presenting a multitude of new challenges under fire conditions. During a fire, deflection of the steel backpan can cause severe repercussions on the performance of the spandrel insulation, the safing insulation, and the firestop spray. Our systems are engineered to maintain the integrity of the wall to meet code requirements.

- One or two-piece tubular aluminum frames
- Minimum 22 gauge flush or recessed steel backpans vs. 18 gauge
- Lowest sill and spandrel heights
- Multiple spandrel types
  - Transparent or opaque glass panels
  - Aluminum panels and stone panels
  - Aluminum composite panels
- Optional shadow box for transparent glass panels
- Multiple insulation manufacturers
- Shortest transom spacing
- Shortest sill heights
- Documented "L ratings
- Penetration in the safing slot
- Vertical shear movement

Aluminum Frames
STI has the most extensive testing for aluminum framed curtain walls whether factory-built unitized or field-fabricated stick. Our UL® Certified Systems provide the flexibility you need to complete your project on time with demonstrated code compliance.

- Aluminum tube systems with solid one-piece or split two-piece mullions and transoms
- I-beam mullions
- Lower sill heights and shorter spandrel panels
- Multiple spandrel types
  - Transparent or opaque glass panels
  - Aluminum or aluminum composite panels
  - Stone
- Optional shadow box systems for transparent glass panels
- Multiple spandrel insulation attachment methods
  - Continuous steel angles
  - Hat channels
  - Insulation hangers and steel pins
- Multiple insulation manufacturers
- Optional penetrations in the safing slot
- Documented L Ratings
- Penetration in the safing slot
- Vertical shear movement

precast, gfrc, eifs

Precast/GFRC
Coverage for precast concrete or GFRC is another one of our specialties, and our UL® Certified Systems are the most comprehensive.

- Lowest sill heights for windows
- Traditional precast panels or precast composite panels (e.g. Slenderwall®)
- Real world GFRC on tube steel frames with flex rods
- Insulated or non-insulated designs
- Multiple insulation manufacturers tested
- Documented L Ratings

EIFS
STI has extensive testing with steel-framed exterior walls with EIFS or a variety of different veneers, offering the very best package of UL® Certified systems for common jobsite conditions.

- Lowest sill heights for windows
- Common steel stud configurations
  - Coverage for cantilevered track conditions
  - King stud options
- Gypsum sheathing or cementitious backer units
- Multiple exterior finishes:
  - EIFS
  - Aluminum or steel siding
  - Brick veneer
  - Stucco
  - GFRC
- Glass fiber or mineral wool insulation options
- Penetrations through the safing slot
- Documented L Ratings
- No gypsum on underside of wall

PRECAST

GFRC

Water-based or all-weather formula

Real world GFRC with tube steel and flex rods

Comprehensive firestop protection

38 39
**PERIMETER FIRE BARRIER PROTECTION**

**FastTack** Firestop Spray

FastTack® Firestop Spray is the ultimate in weather resistant firestop sprays. FastTack®’s hybrid copolymer formula was developed to counter the stalling effects of weather while providing unmatched washout resistance and the industry’s fastest tack-free times. FastTack® outperforms and outlasts all competing firestop coatings providing the most versatile protection on the market.

**Features & Benefits:**
- All-weather formula
- Early rain resistance (24-Hr Exposures: ASTM D6904) PASS
- Skins over quickly to resist water
- Tack-free in 35-45 minutes @ 77ºF, 50% humidity
- For use in extreme weather conditions (cold or rain)
- Cures below freezing
- Can be top coated, spray coated or flow applied
- Auto-bonds for easy touch ups

**Applications:**
- Slab edge/curtain wall conditions
- Floor to floor joints
- Head of wall—concrete slab to gypsum wall/masonry wall
- Slab edge/curtain wall anchors
- Head of wall—concrete fluted deck to gypsum
- Slab edge/curtain wall conditions

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**SpecSeal® AS200 Elastomeric Spray**

SpecSeal® AS200 Elastomeric Spray is a latex-based elastomeric firestop spray for construction joints and perimeter fire barrier applications. AS200 cures to form a durable seal that resists the passage of the products of combustion while accommodating for high dynamic joint movement.

**Features & Benefits:**
- Original quick-dry elastomeric formula
- Water-based—easy installation, cleanup, and disposal
- Thixotropic—superior high-build properties
- Safe—low VOCs, no solvents, non-halogenated
- Auto-bonding—may be re-coated or repaired using ES Sealant
- Low abrasion—for longer pump life and less maintenance
- Tested with direct-applied fireproofing
- Acoustically tested—reduces noise transmission
- Water-resistant—will not re-emulsify when dry

**Applications:**
- Slab edge/curtain wall conditions
- Head of wall—concrete filled deck to gypsum wall/masonry wall
- Control/expansion joints (wall & floor)
- Metallic pipes
- Steel ducts
- Control/Expansion joints (wall & floor)
- Head of wall—concrete fluted deck to gypsum
- Slab edge/curtain wall conditions

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**CP100 Connection Protection**

SpecSeal® Connection Protection is the go-to solution for protecting underside mounted mullion brackets in curtain wall construction. Custom sized to your style of bracket, Connection Protection installs quickly with common job site tools. SpecSeal® Connection Protection is the only proven method for protecting exposed mullion mounting brackets, ensuring their integrity and performance under fire exposure.

**Features & Benefits:**
- Eliminates mineral wool wraps and spray-applied fire resistive materials
- Professional fit and finished appearance
- No construction debris or waste
- Lightweight, slim profile
- Installs quickly with concrete screws or powder actuated fasteners

**Applications:**
- Slab edge/curtain wall anchors

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**PERIMETER FIRE BARRIER PROTECTION**

**FastTack** Firestop Spray

FastTack® Firestop Spray is the ultimate in weather resistant firestop sprays. FastTack®’s hybrid copolymer formula was developed to counter the stalling effects of weather while providing unmatched washout resistance and the industry’s fastest tack-free times. FastTack® outperforms and outlasts all competing firestop coatings providing the most versatile protection on the market.

**Features & Benefits:**
- All-weather formula
- Early rain resistance (24-Hr Exposures: ASTM D6904) PASS
- Skims over quickly to resist water
- Tack-free in 35-45 minutes @ 77ºF, 50% humidity (ASTM C679)
- For use in extreme weather conditions (cold or rain)
- Cures below freezing
- Can be top coated, spray coated or flow applied
- Auto-bonds for easy touch ups

**Applications:**
- Slab edge/curtain wall conditions
- Floor to floor joints
- Floor to wall joints

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**SpecSeal® AS200 Elastomeric Spray**

SpecSeal® AS200 Elastomeric Spray is a latex-based elastomeric firestop spray for construction joints and perimeter fire barrier applications. AS200 cures to form a durable seal that resists the passage of the products of combustion while accommodating for high dynamic joint movement.

**Features & Benefits:**
- Original quick-dry elastomeric formula
- Water-based—easy installation, cleanup, and disposal
- Thixotropic—superior high-build properties
- Safe—low VOCs, no solvents, non-halogenated
- Auto-bonding—may be re-coated or repaired using ES Sealant
- Low abrasion—for longer pump life and less maintenance
- Tested with direct-applied fireproofing
- Acoustically tested—reduces noise transmission
- Water-resistant—will not re-emulsify when dry

**Applications:**
- Slab edge/curtain wall conditions
- Head of wall—concrete filled deck to gypsum wall/masonry wall
- Control/expansion joints (wall & floor)
- Metallic pipes
- Steel ducts
- Control/Expansion joints (wall & floor)
- Head of wall—concrete fluted deck to gypsum
- Slab edge/curtain wall conditions

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**Features & Benefits:**
- Eliminates mineral wool wraps and spray-applied fire resistive materials
- Professional fit and finished appearance
- No construction debris or waste
- Lightweight, slim profile
- Installs quickly with concrete screws or powder actuated fasteners

**Applications:**
- Slab edge/curtain wall anchors
Adequate sealing of Construction Joints involves not just the achievable fire and smoke ratings, but also surviving the movement of the underlying joint. STI is a leader in the development of construction joint firestop materials offering products and solutions that exceed even the most extreme of movement needs.

**Elastomeric Spray**

SpecSeal® AS200 Elastomeric Spray is a latex-based elastomeric firestop spray for construction joints and perimeter fire barrier applications. AS200 cures to form a durable seal that resists the passage of the products of combustion while accommodating for high dynamic joint movement.

**Features & Benefits:**
- Original quick-dry elastomeric formula
- Water-based—for easy installation, cleanup, and disposal
- Thermoplastic—superior high-build properties
- Safe—low VOCs, no solvents, non-halogenated
- Auto-bonding—may be re-coated or repaired using ES Sealant
- Low abrasion—for longer pump life and less maintenance
- Tested with direct-applied fireproofing
- Acoustically tested—reduces noise transmission
- Water-resistant—will not re-emulsify when dry
- Paintable (when dry)
- Up to 50% movement (ASTM E1966/UL2079)

**Applications:**
- Slab edge/curtain wall conditions
- Head of wall—concrete fluted deck to gypsum wall/masonry wall
- Control/expansion joints (wall & floor)
- Metallic pipes
- Steel ducts

**UPC#**

<table>
<thead>
<tr>
<th>CAT NO.</th>
<th>DESCRIPTION</th>
<th>QTY</th>
<th>CASE</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>07107</td>
<td>AS205 5 gal. Pail (1,155 cu. in., 19.0 L)</td>
<td>1</td>
<td>n/a</td>
<td>50.00 lbs (22.68 kg)</td>
</tr>
<tr>
<td>07108</td>
<td>AS205R 5 gal. Pail (1,155 cu. in., 19.0 L - Red)</td>
<td>1</td>
<td>n/a</td>
<td>50.00 lbs (22.68 kg)</td>
</tr>
</tbody>
</table>

**Elastomeric Firestop Sealant**

SpecSeal® ES Sealant is a latex-based gun grade elastomeric firestop sealant designed for construction joint applications. Once cured, ES Sealant forms a flexible shield against the passage of fire and smoke.

**Features & Benefits:**
- Elastomeric—allows movement
- Water-based—easy installation, cleanup and, disposal
- Auto-bonding—allows fresh sealant to adhere to cured sealant
- Compatible with AS200 Spray
- Safe—low VOCs, no solvents, non-halogenated
- Water-resistant—will not re-emulsify when dry
- Paintable (when dry)
- Acoustically tested—reduces noise transmission

**Applications:**
- Control/expansion joints
- Slab edge conditions
- Head of wall—concrete fluted and slab to gypsum wall/masonry wall
- Joints and gaps in sound barriers

**UPC#**

<table>
<thead>
<tr>
<th>CAT NO.</th>
<th>DESCRIPTION</th>
<th>QTY</th>
<th>CASE</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>08100</td>
<td>ES100 10.1 oz. Tube (18.2 cu. in., 300 ml)</td>
<td>1</td>
<td>12</td>
<td>1.12 lbs (0.5 kg)</td>
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<tr>
<td>08101</td>
<td>ES100R 10.1 oz. Tube (18.2 cu. in., 300 ml - Red)</td>
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<td>12</td>
<td>1.12 lbs (0.5 kg)</td>
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<tr>
<td>08105</td>
<td>ES105 5 gal. Pail (1,155 cu. in., 19.0 L)</td>
<td>1</td>
<td>n/a</td>
<td>62.00 lbs (28.12 kg)</td>
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<tr>
<td>08106</td>
<td>ES105R 5 gal. Pail (1,155 cu. in., 19.0 L - Red)</td>
<td>1</td>
<td>n/a</td>
<td>62.00 lbs (28.12 kg)</td>
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<tr>
<td>08103</td>
<td>ES120 20 oz. Sausage (36 cu. in., 592 ml)</td>
<td>1</td>
<td>12</td>
<td>1.96 lbs (0.89 kg)</td>
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<tr>
<td>08104</td>
<td>ES120R 20 oz. Sausage (36 cu. in., 592 ml - Red)</td>
<td>1</td>
<td>12</td>
<td>1.96 lbs (0.89 kg)</td>
</tr>
<tr>
<td>08129</td>
<td>ES129 29 oz. Tube (52 cu. in., 858 ml)</td>
<td>1</td>
<td>10</td>
<td>3.04 lbs (1.38 kg)</td>
</tr>
<tr>
<td>08131</td>
<td>ES129R 29 oz. Tube (52 cu. in., 858 ml - Red)</td>
<td>1</td>
<td>10</td>
<td>3.04 lbs (1.38 kg)</td>
</tr>
</tbody>
</table>
conclusion joints

FastTack® Firestop Spray

FastTack® Firestop Spray is the ultimate in weather resistant firestop sprays. FastTack®’s hybrid copolymer formula was developed to counter the stalling effects of weather, providing unmatched washout resistance and the industry’s fastest tack-free times. FastTack® outperforms and outlasts all competing firestop coatings providing the most versatile firestop coatings on the market.

Features & Benefits:
- All-weather formula
- Early rain resistance (24-Hr Exposure: ASTM D6904) PASS
- Skins over quickly to resist water
- Tack-free in 35-45 minutes @ 77°F, 50% Humidity [ASTM C929]
- For use in extreme weather conditions (cold or rain)
- Cures even freezing
- Can be top coated, spray-coated, or flow applied
- Auto-bonds for easy touch ups

Applications:
- Slab edge/corner wall conditions
- Floor to floor joints
- Floor to wall joints

SpeedFlex® Joint Profile System

SpeedFlex® Joint Profile partners with SpecSeal®’s hybrid copolymer formula was developed to provide unsurpassed joint movement capabilities in standard gypsum board construction. SpeedFlex® Joint Profile eliminates the need for traditional forming materials allowing for reduced application times increasing productivity.

Features & Benefits:
- Seismic testing
- Allows 100% compression or extension
- Replaces mineral wool in construction joints
- Clean, professional appearance
- Can be used to repair cracked joints
- Alternative to caulking joints
- Use with other SpecSeal® firestop products

Applications:
- Head of wall construction joints
- Fluted deck
- Flat slab
- Repair/retrofit of cracked joints

Silicone Sealant

TTG SpeedFlex® TTG Track Top Gasket

TTG SpeedFlex® TTG Track Top Gasket makes short work of construction joints in gypsum board construction. TTG eliminates the need for firestop sealants or sprays by firestopping as the wall is constructed. Track Top Gasket is easily cut to length with scissors or a sharp knife, installing quick with no waste. Custom sizes available upon request.

Features & Benefits:
- No caulk, no hassle, one-step solution, improves productivity, controls cost
- Works with most ceiling tracks, lightweight, easy to handle rolls
- Eliminates estimating and installation guesswork—impact at any time
- Simple peel, stick, and shoot installation—water-resistant, no shaft life
- Acoustically tested—reduces noise transmission
- L-Ratings per UL2079 for use in smoke barrier construction
- Up to 100% movement

Applications:
- Head-of-wall, bottom-of-wall, wall-to-wall joints
- Perimeter fire barrier
- Gypsum to flat concrete slab or steel fluted deck
- Non-rated acoustical walls or fire/smoke rated walls

SIL Silicone Sealant

SIL Silicone Sealant

A high performance silicone firestop sealant tested to resist the passage of smoke, flame, and water through construction joints and joints in metal penetrations.

Features & Benefits:
- Low modulus—allows up to +/- 35% movement capability
- Auto-bonding—allows fresh sealant to adhere to cured sealant
- Excellent water-resistance—for water-tight sealing
- Ozone and UV-resistant—for excellent weathering ability and long service life
- Excellent chemical resistance—best choice in polluted or corrosive atmospheres
- Excellent adhesion to most building substrates (primerless adhesion)
- Acoustically tested—reduces noise transmission
- Excellent smoke seal
- Neutral Cure
- UL® tested for W ratings

Applications:
- Slab Edge/Curtain wall, safety, and construction gaps
- Through penetrations and joints
- High temperatures or movement
- Electrical, data, or telephone cables
- Seismic and expansion joints
- Top-of-wall joints
- Single or multiple metallic pipes, conduits, and tubing

Firestop Spray

Firestop Spray

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Applications:
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- Through penetrations and joints
- High temperatures or movement
- Electrical, data, or telephone cables
- Seismic and expansion joints
- Top-of-wall joints
- Single or multiple metallic pipes, conduits, and tubing
**construction joints**

**Endothermic Sealant**

A latex-based, high solids firestop sealant. When properly installed, it effectively seals penetration openings and joints against the spread of fire, smoke, and toxic gases.

**Features & Benefits:**
- Water-based—easy installation, cleanup, and disposal
- Endothermic fillers—absorb heat and release water
- High solids formula—low shrinkage
- Auto-bonding—allows fresh sealant to adhere to cured sealant
- Sandable/paintable (when dry)
- Safe—low VOCs, no solvents, non-halogenated
- Excellent sealing properties along with high build capabilities
- Excellent smoke seal
- Acoustically tested—reduces noise transmission

**Applications:**
- Metallic pipes, conduits, and tubing
- Complex multiple penetrants
- Electrical cabling systems
- Great choice for industrial and institutional power and utility
- Construction joints
- HVAC ductwork

**TEST STANDARDS:** ASTM E814 (UL 1479), ASTM E1966 (UL 2079), CAN/ULC S115, ASTM E84 (UL 723), ASTM E90

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**custom orders**

**Customized products are now available**

At STI, we know there are times when you need our products in special sizes or colors. Our customizing service can help your next project be more efficient and cost effective. Custom orders do come with minimums and lead times. We will work with you to get you what you need—when you need it. To request a quote email us at customquotes@stifirestop.com

**Here are a few of our products available for custom orders:**

**EZ-Path® Fire-Rated Pathway**

Make your work stand out with EZ-Path® Custom Color Fire-Rated Pathways. Eliminate guesswork. Streamline work flow and increase the visibility of your cable pathways. Segregate cables and systems by use, type and vendor. Perform moves, adds, and changes more easily and head off potential problems by visually organizing your cable systems.

EZ-Path® Custom Color Fire-Rated Pathways—the only fire-rated pathway available in colors. Specify your own colors. Custom attachments are also available.

Email us at customquotes@stifirestop.com

Minimums and lead times may apply.

**SpecSeal® Composite Sheet**

SpecSeal® Composite Sheet is the ideal solution for large openings where a permanent seal is required.

Composite Sheet is a lightweight, rigid fire resistant panel consisting of an intumescent layer bonded to a galvanized steel sheet reinforced with steel wire mesh covered with aluminum foil. Composite sheet partners with other SpecSeal® firestop products, such as Firestop Collars and EZ-Path® Devices, to size down oversized openings. See page 31 for standard sizes. Custom sizes, materials and thicknesses available up to 48 in. x 96 in.

Email us at customquotes@stifirestop.com

Minimums and lead times may apply.