

Specified Technologies Inc.

STI Firestop

by Darren Haynes, NorCal Territory Manager



Specified Technologies Inc. (STI) works closely with the construction industry to create simple solutions to complex firestopping problems across a broad range of market segments and industries worldwide. At STI, firestopping is all we do!

STI products and systems offer innovative firestop solutions for all types of new construction and retrofit applications. With firestopping as our only business, we concentrate all our resources on providing the highest-quality and fully tested firestopping solutions. We lead the industry in developing fire protection systems that help stop the spread of fire, smoke and hot gases.

American Owned. American Made. Global Footprint.

With our company headquartered in Somerville, New Jersey, our products are proudly designed, tested, manufactured, assembled and packaged here in the U.S. STI is committed to creating jobs here at home, encouraging American technology, promoting American innovation, delivering premium quality and preserving American manufacturing.

STI has offices and representation throughout the United States, Canada, Europe, the Middle East, India, China, Southeast Asia and Latin America. We partner with over 40 independent representative agencies and work with over 1,000 distribution outlets worldwide, providing extensive international coverage and offering our customers the personal attention they deserve.

STI offers the most comprehensive range of firestop products on the market and backs 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. 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. Our SpecSeal® ES Sealant and SpecSeal® AS200 Elastomeric Spray have been tested to accommodate joint movements of up to 25 percent and 50 percent, respectively.

We invest the time to understand the unique needs of specific construction segments and applicators, and then develop the products, tested systems and programs tailored to meet these needs. We're at the forefront of developing the most advanced and cost-effective firestop solutions on the market. We offer premium quality, superior performance and best-in-class service, training and support. The results are industry-changing, innovative, patented technologies such as SpecSeal® Track Top Gasket (TTG), the EZ-Path® Fire Rated Pathways and LCI® Intumescent Sealants, as well as the industry's first web-based "Submittal Builder™" program.

In conditions where 100 percent compression and extension of the joint is mandatory, traditional methods fall short. In these exceptionally high-movement conditions, only SpeedFlex™ Track Top Gasket and SpeedFlex™ Joint Profile are up to the task. The SpeedFlex™ Joint Profile further enhances the movement capability of our SpecSeal® AS200 Spray, accommodating 100 percent movement on up to a 3/4-inch-wide joint. The SpeedFlex™ Track Top Gasket provides 100 percent movement on up to a 1/2-inch-wide joint and is installed while the wall is being constructed, eliminating the need to revisit the joint afterward to apply sealants or sprays.



SpecSeal® TTG makes short work of construction joints in gypsum board construction. TTG eliminates the need for firestop sealants or sprays. TTG is easily cut to length with scissors or a sharp knife, installing quickly with no waste. It's red in color for easy identification and inspection.

STI provides quality products without distractions or disruptions of the demands from other interior business units. But industry-leading firestop products is not all we do. To support the firestop industry, STI also offers world-class services: engineering services, research and development, on-site fire lab testing, technical training and digital resources.



Engineering Services

STI's engineering service experts help customers optimize productivity during design, construction and post-construction. They work in conjunction with STI's world-renowned engineering team, offering solutions to complex firestopping problems to help ensure code compliance. Our typical turnaround for engineering judgments is less than 24 hours because we have over 250 years combined firestop engineering experience under one roof.

We deliver timely solutions for:

- Engineering judgments
- Technical inquiries
- Custom firestop training
- Specification review
- Project plan review
- BIM modeling and LEED letters
- Documentation for authority having jurisdiction
- Upfront detail sheet generation

Research and Development

Our engineering development team is consistently researching methods to develop new sustainable products and systems to enhance safety.

On-Site Fire Lab Testing

STI is a UL[®]-approved testing facility equipped with a state-of-the-art, environmentally friendly burn furnace. Tests are regularly performed to analyze and develop new products and standards for the firestop industry.

Technical Training

We offer expert hands-on American Institute of Architects (AIA)-accredited training programs — on-site or online — to educate and inform trades and professionals. Introductory through advanced programs are available for all skill levels. Access to STI's Firestop University will allow you to receive instant notifications anytime we add new course information, which is available to the public.

Digital Resources

STI provides a toolbox of online programs to remove the complexity of designing firestop systems. A set of powerful tools assures that the right systems are selected for the fastest and most cost-effective installation, including:

- Firestop Clash Management
- BIM Objects
- Submittal Builder App
- Submittal Builder
- Access STI
- LEED[®] Credit Calculator

For over 25 years, our team has worked hand in hand with the construction industry to create simple solutions to complex firestopping problems. Our product lines are engineered to deliver powerful performance. Because our system designs are user-driven, they are easier to apply than other systems. The result is simply designed, outstanding fire protection systems, which often result in lower installation costs.

At STI, we believe our relationship with WACA members helps our innovation in the interior finishing industry. Through interactive events and voice-of-customer programs, we can best understand our customers' business and the challenges they face on a day-to-day basis. We strive to create solutions with our customers that are high-performing and cost-effective. Because firestopping is our exclusive focus, we can provide quality products and services without distractions or disruptions of the demands from other interior business units.

STI is committed to supporting our customers by providing sustainable firestop solutions, by treating them like partners and by consistently adding value beyond the sale. No matter the scope of the project, clients can depend on STI to deliver knowledgeable advice, premium quality products and the total firestop solution.

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