

August 9, 2019

Subject: LEED® information concerning SpecSeal®, EZ-Path®, EZ-Firestop®,
SmokeBlock® Caulk, FyreFlange® and SpeedFlex® Products



To Whom It May Concern:

Specified Technologies Inc. (STI) manufactures the SpecSeal®, EZ-Firestop®, SmokeBlock® Caulk FyreFlange® and SpeedFlex® line of firestopping products as well as EZ-Path®. One or more STI products are being considered for use on your construction project. This letter provides information on using STI products to contribute to obtaining LEED credits. A product cannot be LEED certified, only the building can be LEED certified. Because an individual product cannot directly produce a LEED credit, it is not possible to determine the exact number of LEED credits that can be generated by using products manufactured by STI.

STI firestop materials and pathway devices are high quality firestop products designed with the environment in mind. Wherever possible, formulations include material obtained from recycled sources and contain bio-based materials. STI takes steps to minimize or eliminate volatile organic compounds (VOC's). For all products, VOC content is far below the nationally recognized standards set forth by the South Coast Air Quality Management District Rule #1168 and Bay Area Air Quality Management District Regulation 8, Rule #51. Further, these products are nontoxic and do not contain asbestos, PCB's, lead, water-soluble intumescent ingredients, or halogens.

Our attention to the environment does not end with the product. Strict and effective methods are employed to reduce packaging and promote the use of packaging with recycled material content. Packaging is also recyclable. Additionally, our manufacturing plants, warehouses and network of stocking distributors are strategically located to reduce environmental impact through reduction of transportation distances.

The following two pages summarize LEED® credits that may be applicable. Table One: LEED® for New Construction and Major Renovations outlines various credits that may be available when using SpecSeal®, EZ-Firestop®, SmokeBlock® Caulk, FyreFlange® and SpeedFlex® Products following this rating system. Table Two: Applicable Products, correlates the products to applicable LEED® credits.

Although these charts address LEED® for New Construction and Major Renovations, the information contained within may be applied to any of the LEED® rating systems currently in use.

If there are further questions, please do not hesitate to contact us. Thank you for your interest in SpecSeal®, EZ-Path®, EZ-Firestop®, SmokeBlock® Caulk, FyreFlange® and SpeedFlex® Products.

Sincerely yours,



George Gornick, LEED Green Associate
Applications Engineer (Ext. 1013)

TABLE ONE: LEED® RATING SYSTEM DESCRIPTION FOR NEW CONSTRUCTION (NC) AND MAJOR RENOVATIONS NC v4.0/v4.1

| Section/ Credit | Section Points | Section Name / Title | Intent | How SpecSeal®, EZ-Firestop®, SmokeBlock® Caulk, FyreFlange® and SpeedFlex® Products Can Help |
|--------------------|-------------------|---|---|--|
| EAp2 PreReq | Required | Minimum Energy Performance | To reduce the environmental and economic harms of excessive energy use by achieving a minimum level of energy efficiency for the building and its systems. | Use firestop products to seal openings to minimize airflow thereby reducing cycling of HVAC equipment. |
| EAc2 | 1 - 20 | Optimize Energy Performance | To achieve increasing levels of energy performance beyond the prerequisite standard to reduce environmental and economic impacts associated with excessive energy use. | Use firestop products to seal openings to minimize airflow thereby reducing cycling of HVAC equipment. |
| SSc1 | 1 | Sustainable Sites Site Assessment | To assess site conditions before design to evaluate sustainable options and inform related decisions about site design. | Use firestop products that are re-useable, retrofittable, with recycled content, with movement capability and can provide a W-Rating where applicable. |
| MRp1 PreReq | Required | Storage and Collection of Recyclables | To reduce the waste that is generated by building occupants and hauled to and disposed of in landfills. | Use firestop products: 1. Packaged in recyclable containers, 2. With recycled content, 3. That are re-useable and retrofittable. |
| MRp2 PreReq | Required | Construction and Demolition Waste Management Planning | To reduce construction and demolition waste disposed of in landfills and incineration facilities by recovering, reusing, and recycling materials. | Use firestop products: 1. Packaged in recyclable containers, 2. With recycled content, 3. That are re-useable and retrofittable. |
| MRC1 | 2 - 5 | Building Life-Cycle Impact Reduction Building Reuse—Maintain Interior Nonstructural Elements | To encourage adaptive reuse and optimize the environmental performance of products and materials. | Use firestop products that are re-useable and retrofittable. |
| MRC3 (1) | 1 - 2 | Building Product Disclosure and Optimization Responsible Sourcing of Raw Materials - <i>Bio-based materials</i> | To increase demand for building products that incorporate bio-based materials, thereby reducing dependence on fossil fuels, a finite resource. | Use firestop products that contain bio-based materials. |
| MRC3 (2) | 1 - 2 | Building Product Disclosure and Optimization Responsible Sourcing of Raw Materials - <i>Materials Reuse</i> | To reuse building materials and products to reduce demand for virgin materials and reduce waste, thereby lessening impacts associated with the extraction and processing of virgin resources. | Use firestop products that are re-useable and retrofittable. |
| MRC3 (3) | 1 - 2 | Building Product Disclosure and Optimization Responsible Sourcing of Raw Materials - <i>Recycled Content</i> | To increase demand for building products that incorporate recycled content materials, thereby reducing impacts resulting from extraction and processing of virgin materials. | Use firestop products with recycled content. |
| MRC4 Option 1 | 1 - 2 | Building Product Disclosure and Optimization - <i>Material Ingredient Reporting</i> | To reward project teams for selecting products for which the chemical ingredients in the product are inventoried using an accepted methodology and for selecting products verified to minimize the use and generation of harmful substances. | Health Product Declaration. The end use product has a published and complete Health Product Declaration with full disclosure of known hazards in compliance with the Health Product Declaration open Standard. Contact Technical Service for HPD Document. |
| MRC4 Option 2 | 1 - 2 | Building Product Disclosure and Optimization - <i>Material Ingredient Optimization International Alternative Compliance Path – REACH Optimization</i> | To reward project teams for selecting products for which the chemical ingredients in the product are inventoried using an accepted methodology and for selecting products verified to minimize the use and generation of harmful substances. | Use firestop products that comply with REACH and contains no ingredients listed on the REACH Authorization List (Annex XIV), Restriction List (Annex XVII), and SVHC Candidate list. |
| MRC3 MRC4 | 1 - 2 | Building Product Disclosure and Optimization - <i>Regional Materials</i> | To increase demand for building materials and products that are extracted, manufactured and purchased within the region, thereby supporting the use of indigenous resources and reducing the environmental impacts resulting from transportation. | Use firestop products manufactured within 100 miles of project location. Copy and paste https://login.stifirestop.com/?button=llg into your browser to access LEED Credit Calculator to obtain distance verification. Due to the complexity of STI Firestop products, we are unable to indicate harvesting/extraction information, as the majority of our products are comprised of a multitude of individual ingredients from a wide variety of locations. |
| MRC5 | 1 - 2 | Construction and Demolition Waste Management | To reduce construction and demolition waste disposed of in landfills and incineration facilities by recovering, reusing, and recycling materials. | Use firestop materials: 1. Packaged in recyclable containers, 2. With recycled content, 3. That are re-useable and retrofittable. |
| EQp1 PreReq | Required | Minimum Indoor Air Quality Performance | To contribute to the comfort and well-being of building occupants by establishing minimum standards for indoor air quality (IAQ). | Seal openings with firestop products to minimize non-design airflow and meet mechanical and natural ventilation system design requirements. |
| EQp2 PreReq | Required | Environmental Tobacco Smoke (ETS) Control | To prevent or minimize exposure of building occupants, indoor surfaces and ventilation air distribution systems to environmental tobacco smoke (ETS). | Seal openings with firestop products to minimize airflow. |
| EQc1 | 1-2 | Enhanced Indoor Air Quality Strategies | To promote occupants' comfort, well-being, and productivity by improving indoor air quality. | Use firestop products: 1. Encapsulate exposed fibers to reduce impact on IAQ. 2. Guard against mold growth and mildew by taking steps to minimize water infiltration to reduce impact on IAQ. 3. Seal openings to minimize airflow, control pollutant sources and interrupt contamination pathways to help meet mechanical and natural ventilation system design requirements. |
| EQc2 | 1-3 | Low-Emitting Materials - Adhesives and Sealants | To reduce concentrations of chemical contaminants that can damage air quality, human health, productivity, and the environment. | Use firestop products (Architectural Sealants) with VOC under 250 g/L per SCAQMD Rule 1168 and tested to the California Department of Public Health (CDPH) Standard Method v1.2–2017 or CDPH Standard Method V1.1-2010. Contact Technical Service for CDPH Certificate/Report. |
| EQc3 | 1 | Construction Indoor Air Quality Management Plan | To promote the well-being of construction workers and building occupants by minimizing indoor air quality (IAQ) problems associated with construction and renovation. | Use firestop products: 1. Encapsulate exposed fibers to reduce impact on IAQ. 2. Guard against mold growth and mildew by taking steps to minimize water infiltration to reduce impact on IAQ. 3. Seal openings to minimize airflow, control pollutant sources and interrupt contamination pathways. Use firestop products (Architectural Sealants) with VOC under 250 g/L. |
| EQc4 Option 2 | 1-2 | Indoor Air Quality Assessment | To establish better quality indoor air in the building after construction and during occupancy. | Use firestop products: 1. To seal openings to minimize airflow thereby reducing distribution of particulate matter and pollutants. 2. Guard against mold growth and mildew by taking steps to minimize water infiltration to reduce impact on IAQ. 3. Seal openings to minimize airflow, control pollutant sources and interrupt contamination pathways. 4. (Architectural Sealants) with VOC values under 250 g/L per SCAQMD Rule 1168. |
| EQc5 | 1 | Thermal Comfort | To promote occupants' productivity, comfort, and well-being by providing quality thermal comfort. | Use firestop products and systems that seal openings to minimize airflow and that incorporate insulation materials offering thermal resistance. |
| EQc9 | 1 | Acoustic Performance | To provide workspaces and classrooms that promote occupants' well-being, productivity, and communications through effective acoustic design. | Use firestop products with STC Value tested to ASTM E90 "Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements". |
| INc1 | 1 - 5 | Innovation | To provide design teams and projects the opportunity to achieve exceptional performance above the requirements set by the LEED Green Building Rating System and/or innovative performance in Green Building categories not specifically addressed by the LEED Green Building Rating System. | Use firestop products: 1. Encapsulate exposed fibers to reduce impact on IAQ. 2. Guard against mold growth and mildew by taking steps to minimize water infiltration to reduce impact on IAQ. 3. Use firestop products that accommodate future expansion, thereby eliminating shipping additional products to the project, reintroducing VOCs, and creating airborne contaminants when creating openings for new cables, etc. |
| RPc1 | 1 - 4 | Regional Priority | To provide an incentive for the achievement of credits that address geographically specific environmental, social equity, and public health priorities. | Use firestop products to earn bonus credit points (for credits received above) by achieving credits that have been designated as particularly important for your project's specific geographic location. Regional priority credit lookup: https://www.usgbc.org/rpc |

TABLE TWO: APPLICABLE PRODUCTS
LEED® For New Construction and Major Renovations v4.0/v4.1

| V4.0 / v4.1 | Section: Credit: | | EAp2 | EAc2 | SSc1 | MRp1 | MRp2 | MRc1 | MRc3 (1) | MRc3 (2) | MRc3 (3) | MRc4 Option 1 | MRc4 Option 2 | MRc3 / MRc4 | MRc5 | EQp1 | EQp2 | EQc1 | EQc2 | EQc3 | EQc4 | EQc5 | EQc9 | INc1 | RPr1 |
|--|--|--------------------------------------|------|------|------|------|------|------|----------|----------|----------|---------------|---------------|-------------|------|------|------|------|-----------------|------|------|------|------|------|------|
| | PRODUCT | RECYCLED CONTENT MRc3 (3) | | | | | | | | | | | | | | | | | | | | | | | |
| AS200 Spray | 6% 6% post consumer 0% post industrial | 23.0 g/L | X | X | X | X | X | | 0 | | X | X | Y | | X | X | X | X | X | X | X | X | X | X | X |
| Cable Spray | 6% 6% post consumer 0% post industrial | 26.0 g/L | X | X | X | X | X | | 0 | | X | X | Y | | X | X | X | X | Not CDPH Tested | X | X | X | | X | X |
| Cast-In Firestop Device | 0 | 0 g/L | X | X | X | X | X | X | 2 | X | | X | Y | | X | X | X | X | N/A | X | X | X | | X | X |
| Closet Flange Firestop Gasket | 0 | 0 g/L | | | X | X | X | X | 20 | X | | X | Y | | X | | | | N/A | X | X | X | | X | X |
| Composite Sheet | 0 | 0 g/L | X | X | X | X | X | X | 0 | X | | X | Y | | X | X | X | X | N/A | X | X | X | X | X | X |
| Connection Protection | 0 | 0 g/L | | | X | X | X | X | 1 | X | | X | Y | | X | | | | N/A | X | X | X | | | |
| EP Powershield Box Inserts | 0 | 0 g/L | | | X | X | X | | 20 | | | X | Y | | | | | | N/A | X | | | X | | |
| ES Sealant | 5% 5% post consumer 0% post industrial | 39.0 g/L | X | X | X | X | X | | 0 | | X | X | Y | | X | X | X | X | X | X | X | X | X | X | X |
| E-Wrap Endothermic Wrap | 0 | 0 g/L | | | X | X | X | X | 0 | | | X | Y | | | | | | N/A | X | | | | | |
| EZ Path Fire-Rated Pathways 22, 33, 44+ | 0 | 0 g/L | X | X | X | X | X | X | 0 | X | | X | Y | | X | X | X | X | N/A | X | X | X | X | X | X |
| EZ Path Retrofit Device | 0 | 0 g/L | X | X | X | X | X | X | 0 | X | | X | Y | | X | X | X | X | N/A | X | X | X | | X | |
| EZ Path Smoke & Acoustical 33NEZ, 44NEZ | 0 | 0 g/L | X | X | X | X | X | X | 0 | X | | X | Y | | X | X | X | X | N/A | X | X | X | X | X | X |
| EZ Path T-Rating Kit | 0 | 0 g/L | | | X | X | X | X | 0 | X | | | Y | | X | | | | N/A | X | | | | | |
| EZ-Firestop Grommets | 0 | 0 g/L | | | X | X | X | | 0 | | | X | Y | | X | X | X | X | N/A | X | X | X | | X | X |
| Fast Tack Spray | 6% 6% post consumer 0% post industrial | 107.0 g/L | X | X | X | X | X | | 0 | | X | X | Y | | X | X | X | X | X | X | X | X | X | X | X |
| Firestop Plug | 0 | 0 g/L | X | X | X | X | X | X | 0 | X | | X | Y | | X | X | X | X | N/A | X | X | X | | X | X |
| FyreFlange | 0 | 0 g/L | | | X | X | X | X | 0 | X | | X | Y | | X | | | | N/A | X | X | | | X | X |
| LC150 Sealant | 6% 6% post consumer 0% post industrial | 57.0 g/L | X | X | X | X | X | | 0 | | X | X | Y | | X | X | X | X | X | X | X | X | X | X | X |
| LCC Collars | 0 | 0 g/L | | | X | X | X | X | 12 | X | | X | Y | | X | | | | N/A | X | | | | | |
| LCI Sealant | 16% 6% post consumer 10% post industrial | 26.0 g/L | X | X | X | X | X | | 0 | | X | X | Y | | X | X | X | X | X | X | X | X | X | X | X |
| PEN200 | 5% 5% post consumer 0% post industrial | Part A: 36.3 g/L Part B: 12.0 g/L | X | X | X | X | X | | 0 | | X | | Y | | X | X | X | X | Not CDPH Tested | X | X | X | | X | X |
| Quick-Clip Brackets | 0 | 0 g/L | | | X | X | X | | 0 | X | | X | Y | | X | | | | N/A | X | | | | | |
| Quick-Clip L-Bracket | 0 | 0 g/L | | | X | X | X | | 0 | X | | X | Y | | X | | | | N/A | X | | | | | |
| Ready Sleeve / Ready Sleeve Split Sleeve | 0 | 0 g/L | X | X | X | X | X | X | 0 | X | | X | Y | | X | X | X | X | N/A | X | X | X | | X | X |
| RTC Collar | 0 | 0 g/L | | | X | X | X | X | 12 | X | | X | Y | | X | | | | N/A | X | | | | | |
| Safing Spray | 6% 6% post consumer 0% post industrial | 30.0 g/L | X | X | X | X | X | | 0 | | X | X | Y | | X | X | X | X | X | X | X | X | X | X | X |
| SIL300 | 5% 5% post consumer 0% post industrial | 20.0 g/L | X | X | X | X | X | | 0 | | X | X | Y | | X | X | X | X | X | X | X | X | X | X | X |
| SIL300SL | 5% 5% post consumer 0% post industrial | < 47.0 g/L | X | X | X | X | X | | 0 | | X | X | Y | | X | X | X | X | X | X | X | X | X | X | X |

Many projects are located within 100 miles of the manufacturing location. Please visit the link below to access the LEED Credit Calculator and download a project specific distance verification letter. <https://login.stfirestop.com/?button=lig> (LEED Credit Calculator)

TABLE TWO: APPLICABLE PRODUCTS
LEED® For New Construction and Major Renovations v4.0/v4.1

| V4.0 / v4.1 | Section: Credit: | | EAp2 | EAc2 | SSc1 | MRp1 | MRp2 | MRc1 | MRc3 (1) | MRc3 (2) | MRc3 (3) | MRc4 Option 1 | MRc4 Option 2 | MRc3 / MRc4 | MRc5 | EQp1 | EQp2 | EQc1 | EQc2 | EQc3 | EQc4 | EQc5 | EQc9 | INc1 | RPc1 | |
|---|--|---------------------------|--------------------|------|------|------|------|------|-----------------------|----------|----------|---------------|-----------------|--|------|------|------|------|-----------------|------|------|------|------|------|------|---|
| | PRODUCT | RECYCLED CONTENT MRc3 (3) | VOC CONTENT (EQc2) | | | | | | Bio-Based % by weight | | | HPD | Reach Compliant | | | | | | CDPH | | | | | | | |
| SmokeBlock 136 | 0 | < 2.0 g/L | X | X | X | | | | 0 | | | X | Y | Many projects are located within 100 miles of the manufacturing location. Please visit the link below to access the LEED Credit Calculator and download a project specific distance verification letter. https://login.stifirestop.com/?button=lg-LEED-Credit-Calculator | X | X | X | X | Not CDPH Tested | X | X | X | | X | X | |
| SmokeBlock Foam | 0 | 26% | X | X | | | | 0 | | | | Y | X | | X | X | X | X | X | X | X | X | X | X | X | X |
| SNS Sealant | 5% 5% post consumer 0% post industrial | 20.0 g/L | X | X | X | X | X | 0 | | X | X | Y | X | | X | X | X | X | X | X | X | X | X | X | X | X |
| SNS Spray | 5% 5% post consumer 0% post industrial | 30.0 g/L | X | X | X | X | X | 0 | | X | X | Y | X | | X | X | X | X | X | X | X | X | X | X | X | X |
| Speedflex Joint Profile | 0 | 0 g/L | X | X | X | X | X | 0 | | | | X | Y | | | X | X | X | N/A | X | X | X | | X | X | |
| Speedflex Track Top Gasket (TTG) | 10% 0% post consumer 10% post industrial | 0 g/L | X | X | X | X | X | 0 | X | X | X | Y | X | | X | X | X | X | N/A | X | X | X | X | X | X | X |
| SSB Pillows | 21% 21% post consumer 0% post industrial | 0 g/L | X | X | X | X | X | 0 | X | X | X | Y | X | | X | X | X | X | N/A | X | X | X | X | X | X | X |
| SSC Collars | 0 | 0 g/L | | | X | X | X | 12 | X | | | Y | X | | X | | | | N/A | X | | | | | | |
| SSM Mortar | 24% 19% post consumer 5% post industrial | 0 g/L | X | X | X | X | X | 0 | | X | X | Y | X | | X | X | X | X | N/A | X | X | X | | X | X | |
| SSP Putty | 0 | 0 g/L | X | X | X | X | X | 0 | X | | | Y | X | | X | X | X | X | X | X | X | X | X | X | X | X |
| SSS Sealant | 16% 6% post consumer 10% post industrial | 29.2 g/L | X | X | X | X | X | 0 | | X | X | Y | X | | X | X | X | X | Not CDPH Tested | X | X | X | X | X | X | X |
| SSW RED/BLU Wrap Strip | 0 | 0 g/L | | | X | X | X | 0 | X | | | Y | X | | X | | | | N/A | X | | | | | | |
| SSW RED2, BLU2, BLU220, BLU230, BLU240 Wrap Strip | 0 | 0 g/L | | | X | X | X | 20 | X | | | Y | X | | X | | | | N/A | X | | | | | | |
| SSW 125, 250, 375 GRAY Wrap Strip | 0 | 0 g/L | | | X | X | X | 20 | X | | | Y | X | | X | | | | N/A | X | | | | | | |
| Thermal Barrier Wrap (TBW) | 0 | 0 g/L | | | X | X | X | 0 | X | | | Y | X | | X | | | | N/A | X | | | | | | |
| WF300 Caulk | 5% 5% post consumer 0% post industrial | 53.0 g/L | X | X | X | X | X | 0 | | X | X | Y | X | | X | X | X | X | Not CDPH Tested | X | X | X | X | X | X | X |