FIRESTOP SUBMITTAL PACKAGE

PROJECT:

SUBMITTED BY:



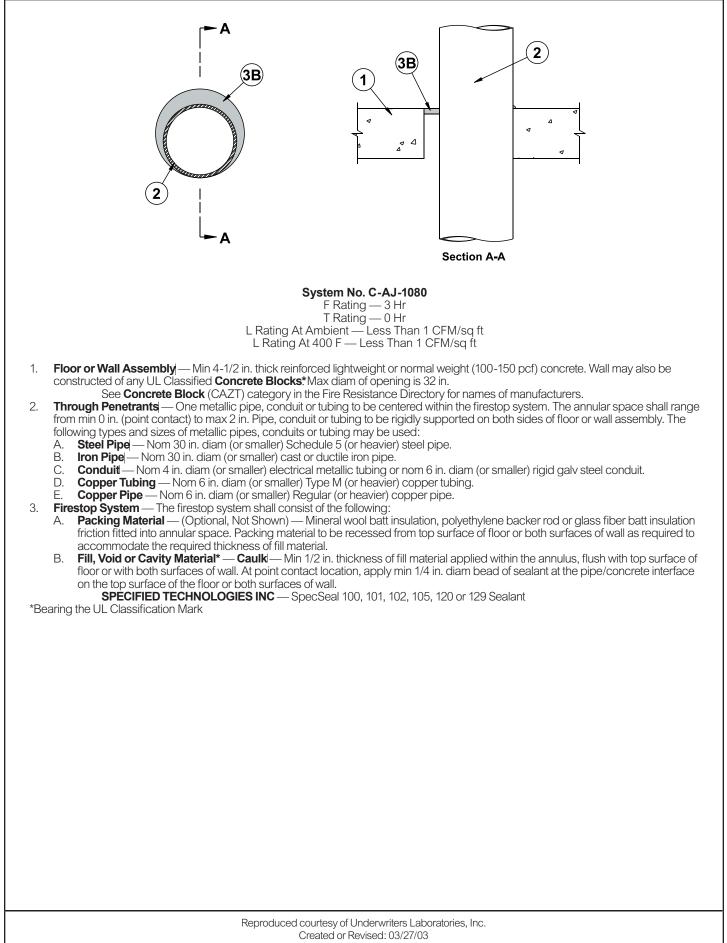


200 Evans Way · Somerville, NJ 08876 · (800) 992-1180 · (908) 526-8000 · Fax (908) 526-9623

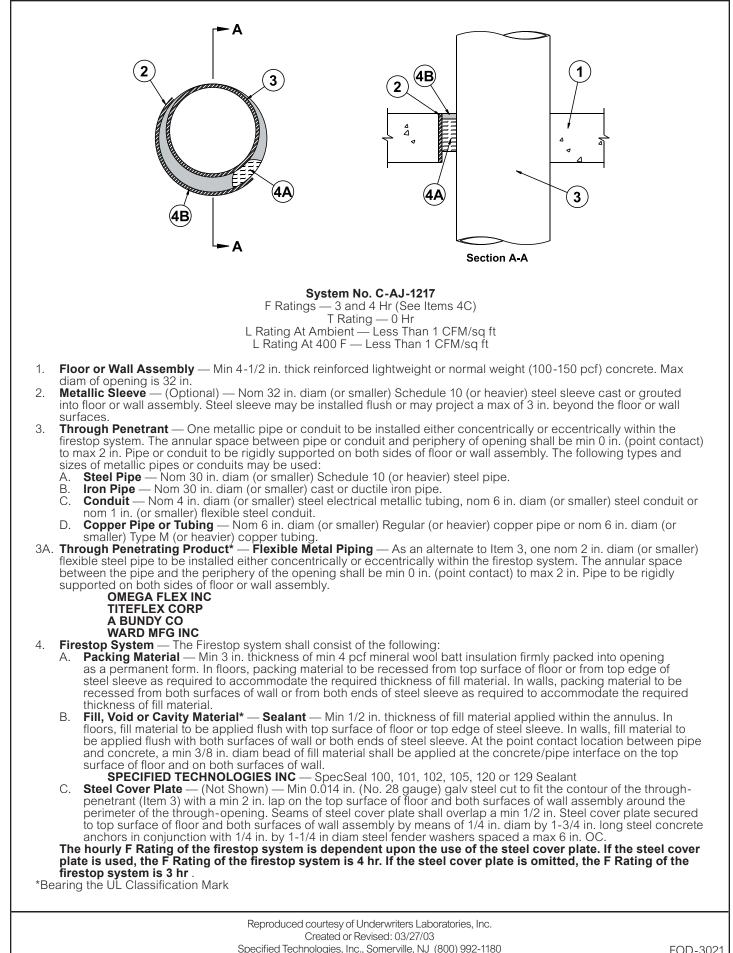
Sprinkler Pipe Submittal

| | Concrete Floors | |
|-----------|--|-------------|
| SYSTEM | DESCRIPTION | PRODUCT(S) |
| C-AJ-1217 | Metal sprinkler pipe. Optional steel sleeve. 3 and 4 hr rating. | SSS Sealant |
| C-AJ-1080 | Metal sprinkler pipe. Caulk only design. | SSS Sealant |
| | Masonry Walls | |
| SYSTEM | DESCRIPTION | PRODUCT(S) |
| C-AJ-1080 | Metal sprinkler pipe. Caulk only design. | SSS Sealant |
| W-J-2018 | Nonmetallic sprinkler pipe up to 2" diam. Caulk only design. | SSS Sealant |
| | Current Poord Walls | |
| | Gypsum Board Walls | |
| SYSTEM | DESCRIPTION | PRODUCT(S) |
| W-L-1049 | Metal sprinkler pipe. Caulk only design. | SSS Sealant |
| M/1 0400 | | |
| W-L-2100 | Nonmetallic sprinkler pipe up to 2" diam. Caulk only design. | SSS Sealant |
| vv-L-2100 | Nonmetallic sprinkler pipe up to 2" diam. Caulk only design. General Certificate of Conformance | SSS Sealant |
| vv-∟-2100 | | SSS Sealant |
| vv-L-2100 | General Certificate of Conformance | SSS Sealant |

Material Safety Data Sheets Series SSS Intumescent Sealant

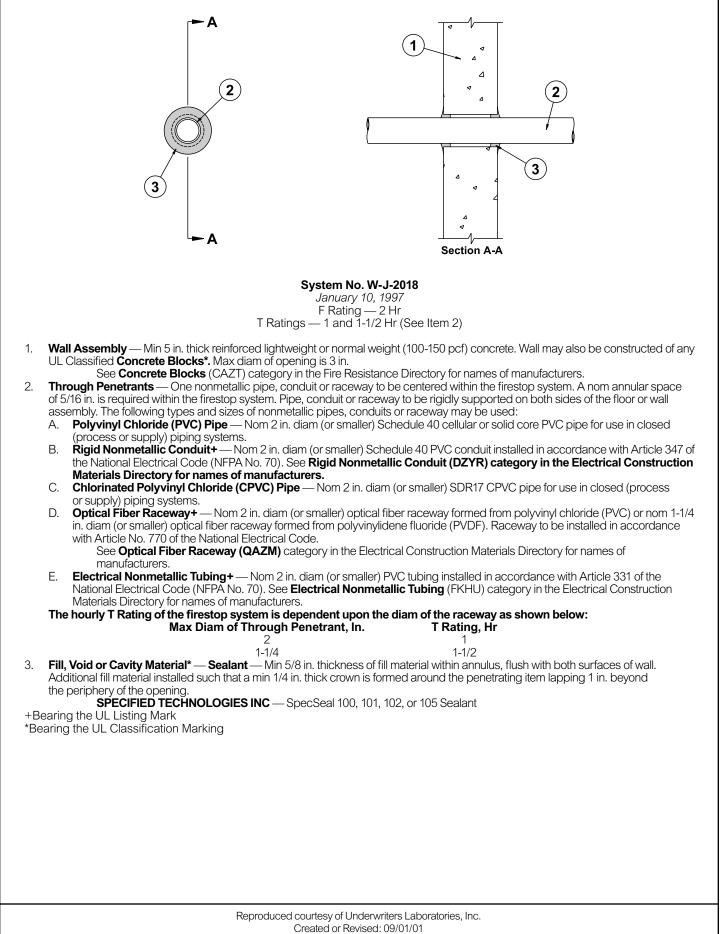


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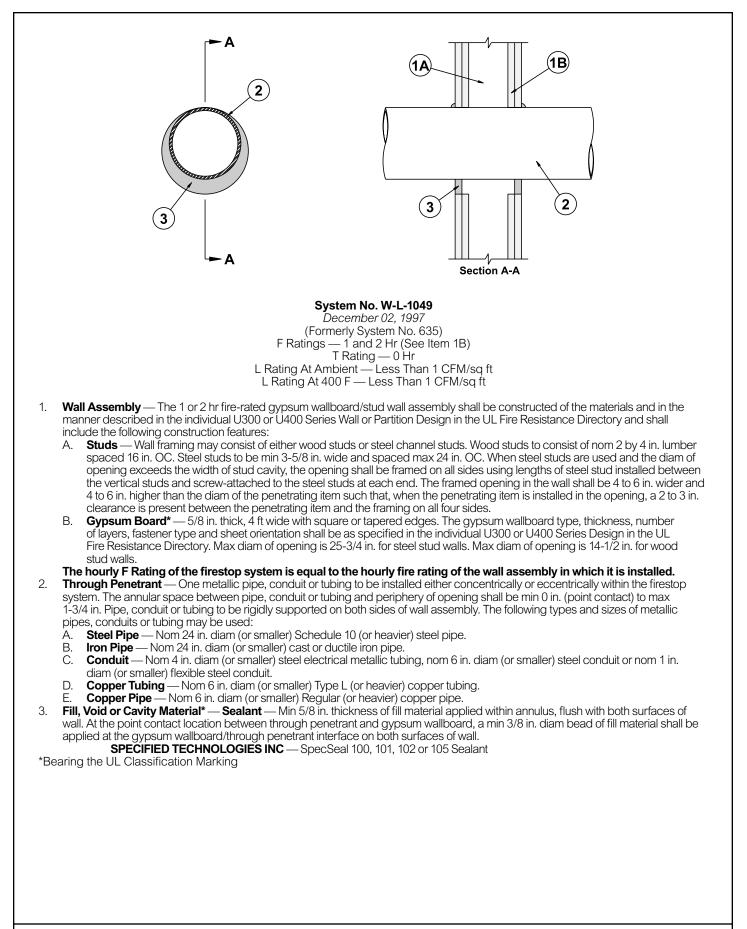
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FOD-3021

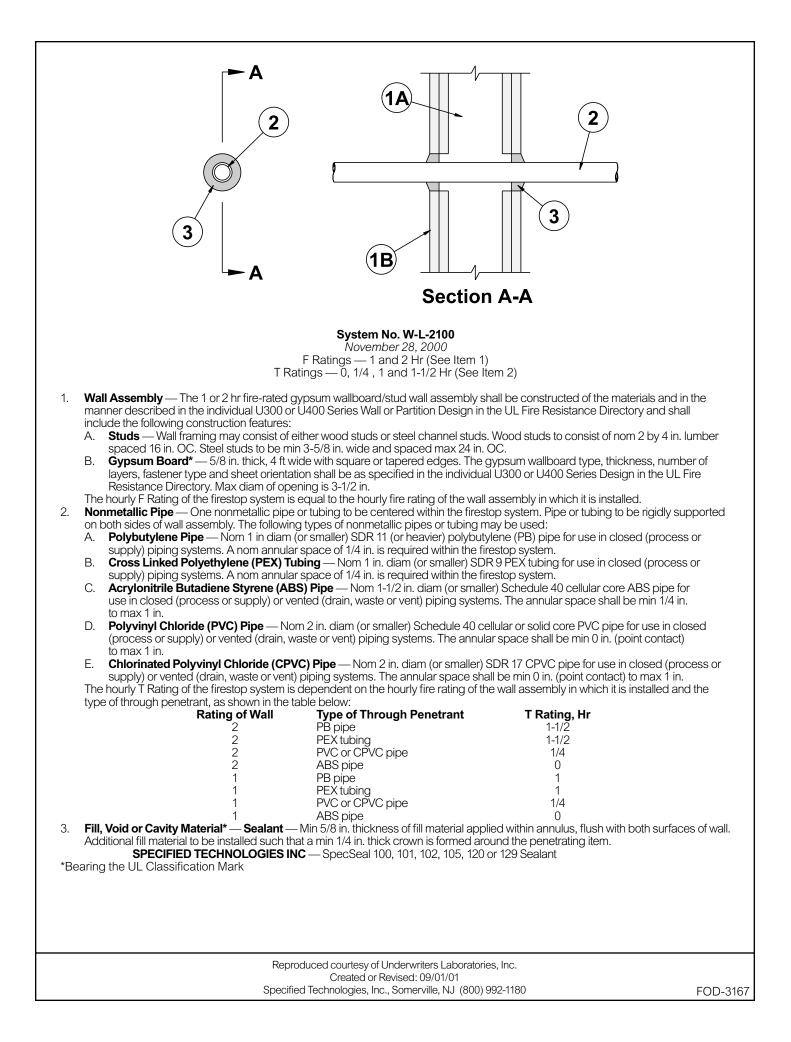


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FOD-3132



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GENERAL CERTIFICATE of CONFORMANCE

Description: SpecSeal® Firestop Products

Included Products:

Series SSS Intumescent Sealant Series LCI Intumescent Sealant Series LC Latex Endothermic Sealant Series SSP Intumescent Putty Series EP Power Shield™ Box Insert Series SSWRED Intumescent Wrap Strips Series SSWBLU Intumescent Wrap Strips Series SSC Intumescent Firestop Collars Series LCC Intumescent Firestop Collars Series SSB Intumescent Firestop Pillows Series AS100 Elastomeric Spray Series AS200 Elastomeric Spray Series ES100 Elastomeric Sealant Series SSM Firestop Mortar Pensil Series PEN200 Silicone Foam Pensil Series PEN300 Silicone Sealant Pensil Series PEN300SL Silicone Sealant

These products are tested to the following standards where applicable:

ASTM STANDARD:

| E 814 | Fire Tests of Through-Penetration Fire Stops |
|--------|--|
| E 119 | Fire Tests of Building Construction and Materials |
| E 1966 | Fire-Resistive Joint Systems |
| E 84 | Surface Burning Characteristics of Building Materials |
| E 1399 | Cyclic Movement and Measuring the Minimum and Maximum Joint Widths |
| | of Architectural Joint Systems |

UL STANDARD

| 1479 | Fire Tests of Through-Penetration Firestops |
|------|---|
| 263 | Fire Tests of Building Construction and Materials |
| 2079 | Tests for Fire-Resistance of Building Joint Systems |
| 723 | Tests for Surface Burning Characteristics of Building Materials |

Chemical Content Statements:

No asbestos, PCB's or water-soluble intumescent ingredients are used or contained in these products.

February1, 2002

James P. Stahl, Jr. Technical Manager

Date

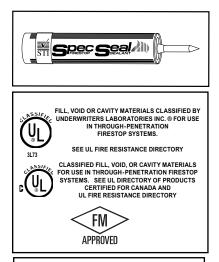


Specified Technologies, Inc.

PRODUCT DATA SHEET

Spec Seale Series SSS Intumescent Sealant





FEATURES

- **Water-Based** for easy installation, cleanup, and disposal.
- **Two-Stage Intumescence** features extremely fast and directionalized expansion.
- Endothermic Fillers absorb heat & release water.
- **High Solids Formula** means no shrinkage!
- Sandable & Paintable (when dry)
- Water-Resistant: Will not re-emulsify when dry!
- Safe for contact with plastics.Red Color for easy
- identification and inspection.Multi Viscosity Grade
- means excellent caulking properties along with high build capabilities.
- Excellent Smoke Seal
- Low VOC: Safe, No Solvents,



1. PRODUCT DESCRIPTION

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

SpecSeal® Series SSS Sealant features STI's patented and proprietary two-stage intumescent technology. When exposed to high temperatures or fire, this material expands aggressively in a highly directionalized fashion to quickly close off voids left by the burning or melting of combustible materials.

SpecSeal® Series SSS Sealant's unique multi-viscosity formula yields a single grade that has excellent caulking properties as well as high build properties on vertical or overhead surfaces. This single grade may be pumped, caulked (standard cartridge or bulk loaded), knifed or troweled. In addition, SpecSeal® SSS does not contain PCB's or asbestos.

SpecSeal® Series SSS Sealant is storage stable (when stored according to the manufacturer's recommendations) and will not separate nor shrink when dried. SpecSeal® Series SSS Sealant will adhere to all common construction and penetrant materials and contains no solvents that might adversely effect plastic pipes or cable jackets.

2. APPLICATIONS

See Table A for a summary application list.

Series SSS Sealant is used to seal through-penetrations as well as construction gaps and blank openings. Series SSS has been tested for use with metallic penetrants up to 30" trade size. This product is also used with other SpecSeal® Products such as SpecSeal® Firestop Collars and Wrap Strips.

3. PHYSICAL PROPERTIES

See Table B.

4. PERFORMANCE

SpecSeal® Series SSS Sealant is the basis for systems that meet the exacting criteria of ASTM E814 (UL1479) as well as to the time-temperature requirements of ASTM E119 (UL263). Systems have been tested for all common forms of construction and most common penetrants with ratings up to 4 hours. STI firestop systems are designed to maximize the fire resistance of the seal by not only sealing off the spread of fire and hot gasses but also by minimizing the amount of heat conducted through the assembly.

5. SPECIFICATIONS

The firestopping sealant shall be a one-part, two-stage intumescent latex compound. The sealant when exposed to high heat or flame shall be capable of expanding a minimum of 8 times. Range of continuing expansion shall be from 230° F to >1,000°F. The sealant shall be thixotropic and shall be capable of caulking or troweling onto vertical surfaces or overhead. The sealant shall be UL Classified and/or FM Systems Approved and tested to the requirements of ASTM E814 (UL1479).

SPECIFIED DIVISIONS

| | Fac De | ts On P | Call STI's automated faxing system for the latest roduct and System Information toll-free at 888-526-6800! |
|------|------------------|---------|---|
| DIV. | 16 | 16050 | Basic Electrical Materials & Methods |
| DIV. | 15 | 15250 | Mechanical Insulation – Fire Protection |
| DIV. | 13 | 13900 | Special Construction Fire Suppression & Supervisory Systems |
| DIV. | 7 | 07840 | Through-Penetration Firestopping |

STI Product Data Sheet • Series SSS Intumescent Sealant • FOD-5001 03/2003

Table A: APPLICATIONS

- Metallic Pipes including steel, • iron, or copper pipe and tubing through all common constructions.
- **Nonmetallic Pipes, Conduits** • &Tubing including PVC, CPVC, PVDF, PEX, PEX-AL-PEX, ABS, PB through all
- common constructions. Cable, Cable Trays & Bus • Duct
- **HVAC Ductwork** .
- **Insulated Pipes**
- **Multi-Service Penetrations** including AC line sets, electrical, telephone, or TV service entrance and interior penetrations.
- **Complete Wood Floor** firestopping package for electrical, plumbing, HVAC, TV and telephone.

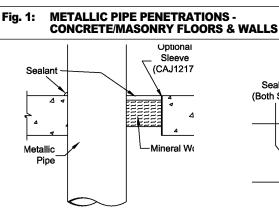
Table B:

PHYSICAL PROPERTIES

| Product Name | Series SSS Sealant | | | | |
|--------------------------|-------------------------------|--|--|--|--|
| Color | Red | | | | |
| Odor | Mild Latex | | | | |
| Density | 9.4 Lb/Gal | | | | |
| Solids | 80% ± 2% | | | | |
| рН | 8.3 | | | | |
| Expansion Begins | 230°F (110°C) 1st Stage | | | | |
| | 350°F (177°C) 2nd Stage | | | | |
| Expansion Range | 230°F to >1,000°F | | | | |
| | (110°C to > 538°C) | | | | |
| Volume Expansion | > 500% Free Expansion | | | | |
| In-Service Temp. | 130°F | | | | |
| Flame Spread | 0* | | | | |
| Smoke Development 10* | | | | | |
| STC Rating | 51 | | | | |
| VOC Content** | 0.18 lbs/gal (22.0 g/l) | | | | |
| * Tested to ASTM E84 (UL | .723) at 14% surface coverage | | | | |

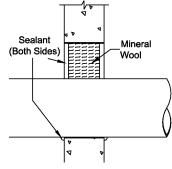
(modified test for sealants and caulks) **ASTM D3960 and EPA Federal Reference Method 24

Shown below and on the following page are just a few of the most common applications for SpecSeal Series SSS Sealant. Consult the Technical Library at www.stifirestop.com for over 200 available designs utilizing this product.



UL SYSTEM C-AJ-1079

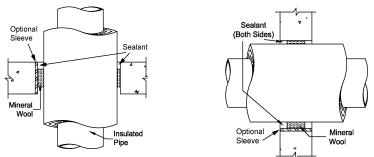
F Rating: 4 Hr • T Rating: 0 Steel or Iron Pipe: 24", Copper Pipe 6" Annulus: Point Contact to 4" • S alant Depth: 1/2" Forming Material: Nom 4 pcf Mineral Wool Thickness: 1-1/2" for 6" Steel or Iron Pipe 3" for 4" Copper or 6" Iron or Steel Pipe



UL SYSTEM C-AJ-1217

F Rating: 4 Hr • T Rating: 0 Steel or Iron Pipe: 30", Copper Pipe 6" Annulus: Point Contact to 2" • S alant Depth: 1/2" Forming Material: Nom 4 pcf Mineral Wool Tightly Packed to a 3" Depth.





UL SYSTEM C-AJ-5087 F Rating: 2 Hr • T Rating: 1

Steel or Iron Pipe: 24 Insulated with 2" Thick Fiber Glass or Mineral Wool Pipe Insulation Annulus: 1/2" to 1-1/2" • S alant Depth: 1/2" Forming Material: Nom 4 pcf Mineral Wool Tightly Packed to a 4" Depth.

| Pip | e Size | | | | | Dia | meter of | Opening (| (in.) | | | | | |
|---------------|-----------|------|------|------|------|------|----------|-----------|-------|-------|-------|-------|------------|--------------------------------|
| Trade Size | Pipe O.D. | 1.5 | 2.0 | 3.0 | 4.0 | 5.0 | 6.0 | 7.0 | 8.0 | 10 | 12 | 14 | 26 | |
| 0.5″ | 0.840 | 0.61 | 1.29 | 3.26 | 6.01 | | | | | | | | | |
| 1″ | 1.315 | 0.20 | 0.89 | 2.86 | 5.60 | 9.14 | | | | | | | *Different | Sealant Depth? |
| 1.5″ | 1.900 | | | 2.12 | 4.87 | 8.40 | | | | | | | | - |
| 2″ | 2.375 | | | 1.32 | 4.07 | 7.60 | 11.92 | | | | | | | Multiply by 2 |
| 2.5″ | 2.875 | | | | 3.04 | 6.57 | 10.89 | | | | | | | Multiply by 2.5 |
| 3″ | 3.500 | | | | 1.47 | 5.01 | 9.33 | 14.43 | 20.32 | | | | - | Multiply by 4 Multiply by 5 |
| 3.5″ | 4.000 | | | | | 3.53 | 7.85 | 12.96 | 18.85 | | | | 1-1/4 | wulliply by 5 |
| 4″ | 4.500 | | | | | 1.87 | 6.19 | 11.29 | 17.18 | 31.32 | 48.60 | | | |
| 6″ | 6.625 | | | | | | | 2.01 | 7.90 | 22.03 | 39.31 | | | |
| 8″ | 8.625 | | | | | | | | | 10.04 | 27.34 | | | |
| 10″ | 10.750 | | | | | | | | | | 11.17 | 31.59 | | |
| 12″ | 12.750 | | | | | | | | | | | 13.13 | | |
| 24″ | 24.000 | | | | | | | | | | | | 39.27 | |



Thus all systems have been designed to provide T Ratings capable of matching the rating of the wall or floor assembly (where possible) when tested without penetrants.

5. SPECIFICATIONS

See page 1.

6. INSTALLATION INSTRUCTIONS

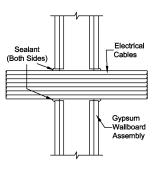
General: Areas to be protected must be clean and free of oil, loose dirt, rust or scale. Installation temperatures must be between 35°F and 100°F. Allow product to dry a minimum of 24 hours before exposure to moisture.

System Selection: Selection of an appropriate firestop system design is critical to the fire protection process. Space limitations preclude highly detailed information pertaining to individual application systems. Please consult the STI Product & Application Guide as well as the UL® Fire Resistance Directory for additional information.

Forming: Some installations may require forming as either an integral part of the system or as an option to facilitate installation. In systems where forming is required, mineral wool batts (1-1/2" to 3" nominal thickness, 4 lb./cu. ft. density) are recommended. Some gypsum wallboard systems utilize fiberglass. Cut forming material over-size to allow for tight packing. Position forming material to allow for the proper depth of fill material.

Fill Material: SpecSeal® Series SSS Sealant may be installed by caulking using a standard caulking gun or from bulk containers using a bulk loading caulk gun. or by manually troweling using a mason's trowel or putty knife. If the sealant tends

ELECTRICAL, DATA OR COMMUNICATIONS PENETRATIONS -Fig. 3: RATED GYPSUM WALLBOARD ASSEMBLIES



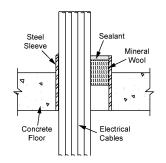
UL SYSTEM W-L-3076 F Rating: 1 or 2 Hr • T Rating: 0 hr Up to 4" Cable Bundle Centered in 4 - 1/2" Opening Sealant Depth: 5/8" with 1/4" Crown

Nonmetall Sealant Conduit (Both Sides) Gypsum -Wallboard Assembly

UL SYSTEM W-L-2093

F Rating: 1 or 2 Hr • T Rating: 1, 1-1/2 Hr 2" Rigid PVC, ENMT, or Optical Fiber Raceway 1-1/4" PVDF Optical Fiber Raceway. Sealant Depth: 5/8" with 1/4" Crown

ELECTRICAL PENETRATIONS -Fig. 4: **CONCRETE/MASONRY FLOORS & WALLS**



UL SYSTEM C-AJ-3154

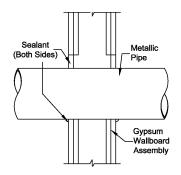
F Rating: 1, 2, 3 & 4 Hr • T Rating: 0, 1/2, & 2 3/4 Hr Optional Sleeve-PVC or Steel Electrical, Telephone or Data Cables Annulus: 0" to 2" Sealant Depth: 1/2" Forming Materials: Nom 4 pcf Mineral Wool Sealant Depth: 1/2" for 1, 2, 3 Hr; 1" for 4 Hr

Cover Plate Minera Concrete Floo Wool Bus Duct

UL SYSTEM C-AJ-6008 F Rating: 3 Hr • T Rating: 0 Hr

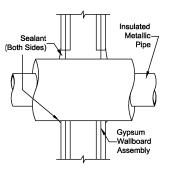
Aluminum or Copper Bus Duct 5,000 Amp Steel Cover Plate Sealant Depth: 1/2" Forming Materials: Nom 4 pcf Mineral Wool Tightly Packed to a depth of 1-1/2"

Fig. 5: BARE & INSULATED METALLIC PIPE PENETRATIONS - RATED GYPSUM WALLBOARD ASSEMBLIES



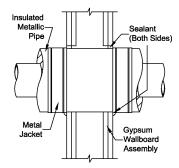
UL SYSTEM W-L-1049 F Rating: 2 hr • T Rating: 0 hr

Steel or Iron Pipe: 24", Copper Pipe: 6" Annulus: Point Contact to 1-3/4" Sealant Depth: 5/8" with 3/8" Crown



UL SYSTEM W-L-5014

F Rating: 1 & 2 Hr • T Rating: 1 & 2 hr Steel or Iron Pipe: 12", Copper Pipe: 4" Insulated with 2" Thick Fiber Glass or Mineral Wool Pipe Insulation Annulus: 0" to 1-1/4" Sealant Depth: 5/8" with 3/8" Crown



UL SYSTEM W-L-5051 F Rating: 1 & 2 Hr • T Rating: 3/4, 1, 1-1/2 & 2 Hr Steel or Iron Pipe: 16", Copper Pipe: 6" Foam Glass Pipe Insulation: 1" to 3" Thick 12" Wide 0.010" Thick Metal Jacket Wrapped Around Insulation and Secured with Metal Banding as Shown Annulus: 0" to 1-1/2 Sealant Depth: 5/8"

to pull back from a surface, clean the surface with a damp rag or sponge and reapply. Work sealant into all areas exercising care to eliminate voids or seams. The surface of the sealant can be smoothed using a putty knife dipped in water. Adding water to the sealant itself is not recommended. Sealant (when dry) may be sanded and painted using most non-solvent based paints. In gypsum wallboard penetrations, crown sealant 1/4" from penetrant to wallboard surface at a point approximately 1/2" or more from opening.

Smoke Sealing: In some applications including firestop collars, SpecSeal® Series SSS Sealant is recommended as a smoke seal. It is suggested in these application that the sealant be applied to both sides of walls. In floor applications, a sealing bead is suggested top and bottom.

Cover Plate: In some designs a galvanized steel cover plate (26 gauge) may be used to upgrade the fire resistance rating to 4 hours. Consult STI Product and Application Guide for dimensional and fastening requirements.

7. MAINTENANCE

Inspection: Installations should be inspected periodically for subsequent damage. Any damage should be repaired using SpecSeal® products per the original approved design.

Retrofit: When adding or removing penetrants, care should be

TABLE D: ORDERING INFORMATION

CAT. NO. DESCRIPTION

| SSS100 | 10.5 oz. Tube (311 ml) 19 cu.in. |
|--------|-------------------------------------|
| 333100 | |
| SSS129 | 29 oz. Tube (858 ml) 52 cu. in. |
| SSS120 | 20 oz. Sausage (592 ml) 36 cu. in. |
| SSS102 | 2 Gal. Pail (7.6 liters) 462 cu.in. |
| | |

SSS105 5 Gal. Pail (19.0 liters) 1,155 cu.in.

Additional SpecSeal Products...

SSP Firestop Putty

Available both in bar form and in pads, putty provides easy retrofit for through-penetrations and economical protection for electrical boxes.

SSB Firestop Pillows

Durable, monolithic pillows for installations requiring quick and easy retrofitting. Systems designed for pipes, cables and cable tray in all types of construction!

CITY OF NEW YORK MEA 130-96M

Important Notice: All statements, technical information, and recommendations contained herein are based upon testing believed to be reliable, but the accuracy and completeness thereof is not guaranteed. WARRANT'S Specified Technologies Inc. manufactures its goods in a manner to be free of defects. Should any defect occur in its goods (within one year), Specified Technologies Inc., upon prompt notification, will at the active section to the section of the section

any defect occur in its goods (within one year), Specified Technologies Inc., upon prompt notification, will at its option, exchange or repair the goods or refund the purchase price. Limitations and Exclusions: THIS WARRANTY IS IN LIEU OF ALL OTHER REPRESENTATIONS EXPRESSED OR IMPLIED (INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR USE) ANDUNDER NO CIRCUMSTANCES SHALL SPECIFIED TECHNOLOGIES INC. BE RESPONSIBLE FOR ANY INCIDENTAL OR CONSEQUENTIAL PROPERTY DAMAGE OR LOSSES. PRIOR TO USE, THE USER SHALL DETERMINE THE SUITABILITY OR FUE PRODUCT FOR ITS INTENDED USE, AND THE USER ASSUMES ALL RISKS AND LIABILITY FOR SUBSEQUENT USE.

No statement or recommendation not contained herein shall have any force or effect unless in an agreement signed by officers of seller and manufacturer.

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taken to minimize damage to the seal. Reseal using SpecSeal® products per the approved design. NOTE: New penetrants of a different nature than the original design may require a totally new firestop design or extensive modifications to the existing design. Reseal all openings as per the requirements of the modified design.

8. TECHNICAL SERVICE

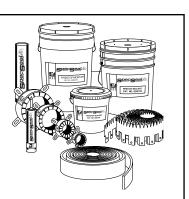
Specified Technologies Inc. provides toll free technical support to assist in product selection and appropriate installation design. UL Systems, Material Safety Data Sheets and other technical information is available at the Technical Library at <u>www.stifirestop.com</u> or through STI's automated attendant fax back system at 888-526-6800.

9. PRECAUTIONARY INFORMATION

Consult Material Safety Data Sheet for additional information on the safe handling and disposal of this material. Wash areas of skin contact with soap and water. Avoid contact with eyes. SEALANT IS CONDUCTIVE UNTIL DRY.

10. AVAILABILITY

SpecSeal® Series SSS Sealant is available from authorized STI distributors. Consult factory for the names and locations of the nearest sales representatives or distributors. Available packages and additional SpecSeal® Products are listed below.



Intumescent Wrap Strips

Two grades of intumescent wrap strips provide an unmatched combination of flexibility, economy, and expansion (up to 30X). Systems for plastic pipes including FR Polypropylene up to 8" trade size!

Molded Firestop Collars

Easy to install, economical protection for ABS and PVC pipes (both solid and foam core) as well as CPVC, PVDF, and FRPP. Collars available up to 6" trade size.



200 Evans Way • Somerville, NJ 08876 Phone: (800) 992-1180 • Fax: (908) 526-9623 Facts-On-Demand: (888) 526-6800 STI on the WEB: www.stifirestop.com





Material Safety Data Sheet

01-JAN-2003

SpecSeal® TYPE SSS SEALANT

CHEMICAL PRODUCT/COMPANY IDENTIFICATION

Material Identification

PRODUCT NAME.....SpecSeal® SSS Sealant CHEMICAL FAMILY.....Mixture

Company Identification

MANUFACTURER/DISTRIBUTOR

Specified Technologies, Inc. 200 Evans Way Somerville, NJ 08876

PHONE NUMBERS

Product Information : 1-908-526-8000 Emergency : 1-800-255-3924

COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME

Proprietary mixture

CAS NUMBER

HAZARDS IDENTIFICATION

* Possible skin and eye irritant. Red paste. *

Potential Health Effects:

EYE: Contact may cause irritation.

SKIN: Contact may cause irritation.

INGESTION: Relatively non-toxic.

INHALATION: Irritation of the nose, throat, and lungs may result from over-exposure to vapors or mist.

CHRONIC (CANCER) INFORMATION: Not classified as carcinogenic.

LONG TERM TOXIC EFFECTS: None known.

FIRST AID MEASURES

First Aid

INHALATION: Remove to fresh air.
 SKIN CONTACT: Wash thoroughly.
 EYE CONTACT: Irrigate eyes with running water for at least 15 minutes. Get medical attention if irritation develops.
 INGESTION: None applicable.

FIRE FIGHTING MEASURES

Not a fire hazard.

EXTINGUISHING MEDIA......Dry Chemical; Carbon Dioxide; Foam; Water spray for large fires.

SPECIAL FIRE FIGHTING PROCEDURES:As for surrounding fire.

ACCIDENTAL RELEASE MEASURES

Safeguards (Personnel)

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

HANDLING AND STORAGE

Store under ambient conditions. No special handling required.

EXPOSURE CONTROLS/PERSONAL PROTECTION

 EYE PROTECTION REQUIREMENTS:
 Safety glasses/goggles.

 SKIN PROTECTION REQUIREMENTS:
 Gloves.

 RESPIRATOR REQUIREMENTS:
 None.

 VENTILATION REQUIREMENTS:
 If needed, use local exhaust ventilation to keep airborne concentrations below the TLV.

Exposure Guidelines Exposure Limits

PEL(OSHA) : Particulates (Not Otherwise Classified) 15 mg/m3, 8 Hr. TWA, total dust 5 mg/m3, 8 Hr. TWA, respirable dust **TLV (ACGIH)** : None Established

PHYSICAL AND CHEMICAL PROPERTIES

| PHYSICAL FORM | Red paste with minimal odor |
|---------------------|-----------------------------|
| SPECIFIC GRAVITY | |
| PERCENT VOLATILES | |
| EVAPORATION RATE | >1 |
| BOILING POINT | 100 deg. C |
| SOLUBILITY IN WATER | Infinitely dilutable |

STABILITY AND REACTIVITY

| STABILITY: | This is a stable material. |
|---------------------------|----------------------------|
| CONDITIONS TO AVOID | Storage >55 deg. C |
| HAZARDOUS POLYMERIZATION: | 0 0 |
| INCOMPATIBILITIES: | None special. |

TOXICOLOGICAL INFORMATION

Mixture not tested but based on components:

May be irritating to skin and eyes and may aggravate existing skin and eye conditions.

None of the components are listed as carcinogens.

ECOLOGICAL INFORMATION

No data.

DISPOSAL CONSIDERATIONS

Waste Disposal:

Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations.

TRANSPORTATION INFORMATION

DOT – not regulated.

REGULATORY INFORMATION

U.S. Federal Regulations

TSCA Inventory Status: Reported/Included.

Section 313 Supplier Notifications.

This product contains no toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372:

OTHER INFORMATION

NPCA-HMIS Rating

Health : 1

Flammability : 0

Reactivity : 0

Personal Protection rating to be supplied by user depending on use conditions.

STATE RIGHT-TO-KNOW LAWS

No substances on the state hazardous substances list, for the states indicated below, are used in the manufacture of products on this Material Safety Data Sheet, with the exceptions indicated. While we do not specifically analyze these products, or the raw materials used in their manufacture, for substances on various state hazardous substances lists, to the best of our knowledge the products on this Material Safety Data Sheet contain no such substances except for those specifically listed below:

SUBSTANCES ON THE NEW JERSEY WORKPLACE HAZARDOUS SUBSTANCE LIST PRESENT AT A CONCENTRATION OF 1% OR MORE (0.1% FOR SUBSTANCES IDENTIFIED AS CARCINOGENS, MUTAGENS OR TERATOGENS): NJTSRN-SSS100

WARNING: SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER: Possible traces of formaldehyde, ethyl acrylate, acetaldehyde, acrylamide and acrylonitrile.

WARNING: SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM: None known.

This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief accurate and reliable as of the data compiled. However, no representation, warranty, or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do not accept liability for any loss or damage that may occur form the use of this information.

Responsibility for MSDS :

Specified Technologies, Inc. 200 Evans Way Somerville, NJ 08876