

Submittal

Job: 150091
Portland Gastro
Portland Gastro
1200 Congress Street
Portland, ME

Spec Section No: 078443
Submittal No: 2
Revision No: 0
Sent Date: 7/14/2016

Spec Section Title:

Submittal Title: Joint Firestopping

REVIEWED & APPROVED
FOR

Portland Gastro 078443.01
Joint Firestopping

Contractor:
Hebert Construction LLC
Timothy Hebert

Contractor's Stamp

SUBMITTAL _____
SHIPMENT _____
FABRICATION _____
APPROVED AS NOTED Reviewed
REVISED & RESUBMIT _____
NOT APPROVED _____
DATE 7/14/16 BY TRH
HEBERT CONSTRUCTION LLC

Architect (Primary):
PDT Architects PA
Ann Fisher

Architect's Stamp

Engineer's Stamp



SUBMITTAL REVIEW NOTES

DATE: July 25, 2016
PROJECT: Portland Gastroenterology Center - #14054
REVIEWED BY: Ann Fontaine-Fisher
SPECIFICATION: 078443.01 Joint Firestopping
SUBMITTAL: Submittal 1/ Revision 0

COMMENTS:

- 1. Please submit UL # for top of wall firestop assembly.**

ACTION:

- REVIEWED
- FURNISH AS CORRECTED
- REVISE AND RESUBMIT
- REJECTED
- SUBMIT SPECIFIED ITEM

This review is only for general conformance with the design concept and the information given in the Construction Documents. Corrections or comments made on the shop drawings during this review do not relieve the contractor from compliance with the requirements of the plans and specifications. Review of a specific item shall not include review of an assembly of which the item is a component. The contractor is responsible for: dimensions to be confirmed and correlated at the jobsite; information that pertains solely to the fabrication processes or to the means, methods, techniques, sequences and procedures of construction; coordination of the Work with that of all other trades and performing all Work in a safe and satisfactory manner.

49 DARTMOUTH STREET
PORTLAND, MAINE 04101
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www.pdtarchs.com

Document:

Page 1 of 1

PRODUCT DESCRIPTION

SpecSeal® AS200 Elastomeric Spray is the spray-applied product of choice for firestopping construction joints or gaps of all types.

SpecSeal® AS200 Elastomeric Spray is a non-halogenated latex-based, highly elastomeric coating designed to provide passive smoke and fire protection in construction joints.

AS200 has the flexibility required for construction joints and it dries to form a flexible shield against the propagation of flames and smoke.



FEATURES

- *Original quick-dry elastomeric formula.*
- *Water-based - for easy installation, clean-up and disposal.*
- *Thixotropic - superior high-build properties.*
- *Safe - low VOCs, no solvents, non-halogenated.*
- *Auto-bonding - may be re-coated or repaired using ES Caulk.*
- *Low abrasion - for longer pump life and less maintenance.*
- *Tested with spray applied fire resistive material (SFRM)*
- *Acoustically tested - reduces noise transmission.*
- *Water-resistant - will not re-emulsify when dry.*

APPLICATIONS

SpecSeal® Elastomeric Spray is designed primarily for the protection of construction joints, curtainwall safing gaps, and certain through-penetrations.

SpecSeal® Elastomeric Spray is engineered to adhere to virtually all construction surfaces and may be applied using airless spray equipment or with a brush (for small applications or touch ups).

- *Slab edge/Curtain wall conditions.*
- *Head of wall - concrete fluted deck to gypsum wall.*
- *Head of wall - concrete slab to masonry wall.*
- *Control/expansion joints (floor and wall).*
- *Metallic pipes.*
- *Steel ducts.*

PHYSICAL PROPERTIES

Property – As Supplied	Value
Color:	Pale Blue or Red
Odor:	Mild Latex
Specific Gravity:	1.3
Solids Content by Weight:	74%
Solids Content by Volume:	66.4%
Flame Spread:	0*
Smoke Developed:	25*
Movement:	±50%**
Coverage:	12.8 sq ft/gal @ 1/8" (0.31 sq m/L @ 3.2 mm)
Viscosity:	110,000 cps
pH:	7.5
In-Service Temperature	≤185° F (85° C)
Storage Temperature:	40°F (4°C) - 95°F (35°C)
Drying Time:	Tack Free 2 Hours Dry Through 24-48 Hours ^A
STC Rating:	61
VOC Content ^B :	0.16 lb/gal (20.0 g/L)
Shelf Life:	18 Months

* Tested to ASTM E84 (UL723) at 14% coverage.

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

^A Dependent on temperature and humidity.

^B Per ASTM D3960 EPA Fed. Reference Method 24



AS ELASTOMERIC SPRAY

THE PROFESSIONAL'S CHOICE FOR SPRAY-APPLIED FIRESTOP PROTECTION OF JOINTS & PENETRATIONS.

PERFORMANCE

When applied to a wet film thickness of 1/8" (3.2mm) over appropriate backing materials, SpecSeal® AS200 Elastomeric Spray has been successfully tested in one, two, three and four hour joints. Consult factory for individual system designs and application requirements.

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

AVAILABILITY

SpecSeal® Series AS200 Elastomeric Spray is available worldwide from authorized distributors. Consult factory for the names and locations of the nearest sales representatives or distributors..

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 www.stifirestop.com.

MAINTENANCE

Inspection: Installations should be inspected periodically for subsequent damage. Following safety precautions listed below (See Precautionary Information) and pertinent installation guidelines, remove coating in damaged areas down to undamaged material. Reapply fresh coating material to original coating thickness.

INSTALLATION INSTRUCTIONS

GENERAL: Areas to be protected must be clean and free of oil, loose dirt, rust or scale. Recommended storage temperatures range between 40°F (4°C) and 95°F (35°C). Installation temperature shall be between 40°F (4°C) and 95°F (35°C). Although not a requirement, the optimal application temperature range is 60°F (16°C) to 90°F (32°C). When applying product at the lower end of the temperature range, warming the material to 70°F (21°C) will enhance drying characteristics. Drying time will vary according to prevailing temperature and humidity. Allow to thoroughly dry before exposure to moisture.

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. The use of an OSHA or NIOSH approved mask for dust and mist environment is recommended. Apply in areas with adequate ventilation.

ORDERING INFORMATION

UPC# 730573	Description	Case Qty.
AS205	Pale Blue Color 5 gal. Pail (19 liters) 1,155 cu. in.	n/a
AS205R	Red Color 5 gal. Pail (19 liters) 1,155 cu. in.	n/a

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.

WARRANTY: 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 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) AND UNDER 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 OF THE 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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SOMERVILLE, NJ 08876 USA • TOLL FREE (US): 800.992.1180 • OUTSIDE US: +1 908 526 8000 • WWW.STIFIRESTOP.COM.COM
ZSTI3188

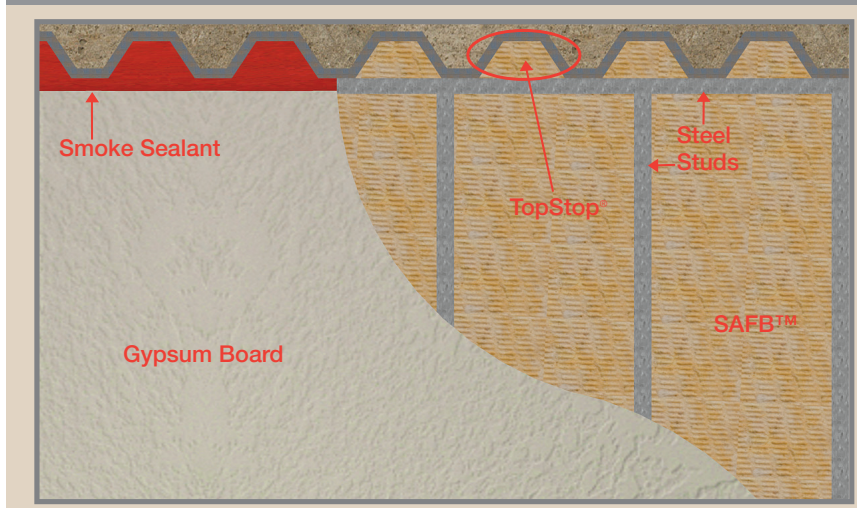
Head-of-Wall Insulation Thermafiber® TopStop®

- + Provides life saving fire protection
- + Fire resistant to temperatures above 2,000°F (1,093°C)
- + Conserves energy, reduces greenhouse gas emissions
- + Resists moisture
- + Noncombustible
- + Labor saving pre-fabricated shapes
- + Available in many different sizes

LEED® v2009 Green Building Credits				
Minimum 70% Recycled Content ¹	Energy & Atmosphere	Materials & Resources	Indoor Environmental Quality	Innovation in Design
		1	2.1, 2.2 4.1, 4.2 5.1, 5.2	9



Thermafiber TopStop® Head-of-Wall insulation contributes to energy conservation and fire protection in the LA LIVE complex in Los Angeles



Thermafiber TopStop® Head-of-Wall insulation has been pre-fabricated to fit the trapezoidal flutes typical of metal or concrete decking.



Thermafiber® TopStop® Insulation

Description:

THERMAFIBER® TopStop® Head-of-Wall insulation provides life saving fire protection in head-of-wall constructions. These products are noncombustible, moisture-resistant, noncorrosive, nondeteriorating, mildew-proof, and vermin-proof. Insulation used for TopStop is UL and Intertek (formerly OPL) Classified, and is approved for use in designs that otherwise call for Safing™ Insulation. It is available in 3 common sizes of trapezoidal shaped boards, as well as standard forming strips.

Product Options:

- TopStop® is available in standard 6.0 pcf density. 4.0 or 8.0 pcf is available upon special request
 - All TopStop products are unfaced
 - Recycled Content Options¹:
 - EPA Choice Fiber (US Government Buildings)..... Minimum 75%
 - Standard Fiber..... 70%
- ¹Recycled content options other than Standard must be specified at time of order.

Installation:

TopStop® insulation should be compression fitted (per assembly design specifications) between the top of the wall head and below the roof deck, leaving no voids. Apply smoke sealant as specified in the listed and tested design specification, and according to the smoke sealant manufacturer's instructions.

Standard Sizes:

Product Number	Product Images	Thickness	Top Width	Bottom Width	Length	Pieces/ Carton	Lineal Ft./ Carton
TSZ-1		1 1/2"	3 1/2"	4 1/2"	36"	50	150
TSZ-2		2"	4 1/2"	5 1/2"	36"	32	96
TSZ-3		3"	5"	7"	36"	16	48
TSF-A2		1 1/4"	2"	2"	36"	140	420
TSF-A4		1 1/4"	4"	4"	36"	70	210
TSF-B2		5/8"	2"	2"	36"	252	756
TSF-B4		5/8"	4"	4"	36"	126	378

Technical Data:

Product Designation	Actual Density	Tested to ASTM C 518		Tested to ASTM E 84	
		"k" @ 75° [24°C] BTU.in/ hr.sq. ft. °F	"R" value per inch of thickness*	Flame Spread	Smoke Developed
TSZ-1	6.0 pcf	0.24	4.2	0	0
TSZ-2	6.0 pcf	0.24	4.2	0	0
TSZ-3	6.0 pcf	0.24	4.2	0	0
TSF-A2	6.0 pcf	0.24	4.2	0	0
TSF-A4	6.0 pcf	0.24	4.2	0	0
TSF-B2	6.0 pcf	0.24	4.2	0	0
TSF-B4	6.0 pcf	0.24	4.2	0	0

*R = thickness divided by 'k'

Standards Compliance:

- ASTM C 1104**
ASTM C 612, HH-I-558B
ASTM C 665, HH-I-521F
NFPA 220
CAN/ULC S114
CAN/ULC S102
- Adsorbs less than 1% by volume**
Type 1A, 1B & 2
Type 1
Rated non-combustible as tested per ASTM E 136
Complies
Flame Spread 0, Smoke Developed 0

Thermafiber® TopStop® insulation is accepted by New York City Board of Standards and Appeals under Calendar Nos. 39-74-SM, MEA-209-82M, Vol. 4

Thermafiber® Insolutions®:

Thermafiber offers industry leading technical and engineering assistance to architects, specifiers, and contractors. These services include CAD drawings, engineering judgments, LEED® Credit Information, product recommendations, and customized products. Contact our technical services department at 1-888-834-2371, or email technicalservice@owenscorning.com

For Further Information:

For additional information about these or other Thermafiber products contact us at 1-888-834-2371 or visit our website www.thermafiber.com.

Notice:

THERMAFIBER, Inc. shall not be liable for incidental and consequential damages, directly or indirectly sustained, nor for any loss caused by application of these goods not in accordance with current printed instructions or for other than the intended use. THERMAFIBER liability is expressly limited to replacement of defective goods. Any claim shall be deemed waived unless made in writing within thirty (30) days from date it was or reasonably should have been discovered.

Submittal Approvals:

Job Name	
Contractor	Date





7/11/2016

Torry Burgess
Metro Walls
23 Evergreen Drive
Portland, ME 04103

Dear Torry Burgess;

Thank you for attending our recent Firestop Training Class held on 06/20/2016.
Enclosed is your certificate ID card.

If there are any misspellings on your card, please contact us at training@stifirestop.com or call us toll free 1-800-992-1180 and we will make any necessary changes.

If you have any questions or require further assistance, please feel free to contact us.

Regards,

Danielle DeGerolamo
Market Manager
908-526-8000 Ext. 1020

CUT ON DOTTED LINE ✂



Torry Burgess
Metro Walls

This certifies that the above named individual has attended a Specified Technologies Inc. (STI) training class on product and installation of STI's products.

06/20/2016
Date Training Completed

TRAINED FIRESTOP
INSTALLER



FOLD ALONG THIS LINE

I hereby agree to observe the standards of Specified Technologies Inc. and install all STI products in a workmanlike manner.

By signing this card, I acknowledge that STI's standard warranty is limited to products only. This certification card is provided exclusively as evidence of training. STI, its employees and/or agents, are not responsible for the work or actions of the cardholder and any liability related thereto is explicitly disclaimed.

This card is not transferable and may not be duplicated. To obtain a replacement card, please contact Specified Technologies Inc.

Signature of Trainee _____

All questions related to this card, training programs, or technical service should be directed to STI at 800.992.1180



Specified Technologies Inc.
210 Evans Way, Somerville N.J. 08876 USA
Toll Free: 1-800-992-1180
www.stifirestop.com

7/11/2016

Kenneth Waldron
Metro Walls
23 Evergreen Drive
Portland, ME 04103

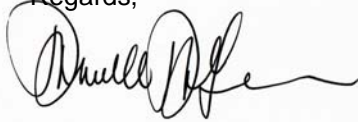
Dear Kenneth Waldron;

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7/11/2016

Jim Roy
Metro Walls
23 Evergreen Drive
Portland, ME 04103

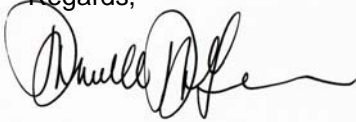
Dear Jim Roy;

Thank you for attending our recent Firestop Training Class held on 06/20/2016.
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Regards,



Danielle DeGerolamo
Market Manager
908-526-8000 Ext. 1020

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7/11/2016

Donald Lessard
Metro Walls
23 Evergreen Drive
Portland, ME 04103

Dear Donald Lessard;

Thank you for attending our recent Firestop Training Class held on 06/20/2016.
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