SpecSeal® Series SSM Firestop Mortar by Specified Technologies Inc.

SCREENING DATE: 2025-11-21
PUBLISHED DATE: 2025-11-21
EXPIRY DATE: 2028-11-21
PREPARER: Self-Prepared

Health Product Declaration v3.0
created via: HPDC Online Builder

HPD UNIQUE IDENTIFIER: 41596420096
HPD UNIQUE PRODUCT ID: Not provided.
CLASSIFICATION: 07 84 13.13 Penetration Firestopping Mortars
PRODUCT DESCRIPTION: SpecSeal® Firestop Mortar is an economical, light-weight portland cement-based firestop product. This passive (nonintumescent) material utilizes a combination of heat sinking and insulating properties to provide an extremely high level of fire resistance. SpecSeal® Firestop Mortar mixes with water to form a non-shrinking, high yield mortar that may be applied by pouring, pumping, or troweling. Its low density and light weight means that less forming as well as less forming support is required. Its low density also makes re-penetration for retrofitting a simple task. SpecSeal® Firestop Mortar is designed to dry quickly and will not crack or spall due to freezing or changes in temperature. Its adhesion is due to a chemical bond thus most installations require little or no mechanical anchoring.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format
→ Basic Method

Threshold Disclosed Per
→ Product

Threshold Level
→ 1,000 ppm

Residuals/Impurities Evaluation
→ Completed

Explanation(s) provided :
Yes

For all contents above the threshold, the manufacturer has:

Characterized Yes
Provided weight and role.

Screened Yes
Provided screening results using HPDC-approved methods.

Identified No
Provided name and CAS RN or other identifier.

CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

PRODUCT | **MATERIAL OR SUBSTANCE** | *RESIDUAL OR IMPURITY* GREENSCREEN SCORE | HAZARD TYPE

SPECSEAL® SERIES SSM FIRESTOP MORTAR [PORTLAND CEMENT LT-P1 | CAN | END | MAM | EYE | SKI **UNDISCLOSED** LT-UNK | EYE **UNDISCLOSED** LT-UNK **FERRIC OXIDE** BM-1 | CAN | MAM **]**

Number of Greenscreen BM-4/BM3 contents ... 0

Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... LT-P1, BM-1

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

None.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

COMPLIANCE *See Section 3 for additional listings.*

VOC emissions: N/A

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Section 2: Content in Descending Order of Quantity

This section lists contents in a product based on specific threshold(s) and reports detailed health information including hazards. This HPD uses the inventory method indicated above, which is one of three possible methods:

- *Basic Inventory method with Product-level threshold.*
- *Nested Material Inventory method with Product-level threshold*
- *Nested Material Inventory method with individual Material-level thresholds*

Definitions and requirements for the three inventory methods and requirements for each data field can be found in the HPD Open Standard version 3.0, available on the HPDC website at: www.hpd-collaborative.org/hpd-3-0-standard

SPECSEAL® SERIES SSM FIRESTOP MORTAR

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes

RESIDUALS AND IMPURITIES NOTES: There are no residuals in this product.

OTHER PRODUCT NOTES: There are no residuals in this product.

PORTLAND CEMENT

ID: **65997-15-1**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2025-11-21 14:48:52**

%: **50.0000 - 70.0000** GreenScreen: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Binder**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MAM	GHS - Japan	H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
EYE	GHS - Japan	H318 - Causes serious eye damage [Serious eye damage / eye irritation - Category 1]
SKI	GHS - Japan	H314 - Causes severe skin burns and eye damage [Skin corrosion / irritation - Category 1]

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: This is the base binder in the product.

UNDISCLOSED

ID: **Undisclosed**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2025-11-21 14:48:52**

%: **20.0000 - 40.0000** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Filler**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
EYE	GHS - New Zealand	Eye irritation category 2

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: This is a base filler in the product.

UNDISCLOSED

ID: **Undisclosed**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2025-11-21 14:48:53**

%: **2.0000 - 8.0000** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Filler**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: The is a base filler in the product.

FERRIC OXIDE

ID: **1309-37-1**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2025-11-21 14:48:53**

%: **0.1000 - 1.0000** GreenScreen: **BM-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
MAM	GHS - Japan	H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: This is a base pigment in the product.

Section 3: Compliance

This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.

VOC EMISSIONS	N/A

COMPLIANCE TYPE: Self-declared
CERTIFIER/VERIFIER/TESTING LAB/AUDITOR: Self-declared
ISSUE DATE: 2017-01-03
EXPIRY DATE: No expiration
COMPLIANCE DETAILS:
COMPLIANCE SCOPE:
APPLICABLE FACILITIES: All.
COMPLIANCE URL:
https://files.stifirestop.com/5.%20Safety%20Data%20Sheets/1.%20English/SDS_SSM%20Mortar.pdf
COMPLIANCE NOTES: Not appilcable. Not a wet VOC applied product or type of insulation. Water is added to product. See SDS under Certificate URL.

Section 4: Accessories

This section lists related products or materials that the manufacturer requires or recommends for installation (such as adhesives or fasteners), maintenance, cleaning, or operations. For information relating to the contents of these related products, refer to their applicable Health Product Declarations, if available.

No accessories are required for this product.

Section 5: General Notes

Applications
SpecSeal® Firestop Mortar is used to seal through-penetrations as well as construction gaps and blank openings. This product is also used in conjunction with other SpecSeal® Firestop Products such as SpecSeal® Firestop Collars and Wrap Strips.
SpecSeal® Firestop Mortar has been tested for a wide range of penetrants including metallic pipes, cables, cable trays (both steel and aluminum), busways and steel ducts as well as combustible penetrants such as plastic pipes or insulated metallic pipes (when used in conjunction with other SpecSeal® intumescent products). SpecSeal® Firestop Mortar is suitable for openings of all sizes. Its method of application makes it specifically useful for medium to large openings with simple to very complicated combinations of penetrants.
Specifications
The Firestopping material shall be a light-weight, fast drying portland cement based material. The density of the wet mortar shall be = 52 lb./cu.ft. The density of the dry mortar shall be = 24 t0 26 lb./cu.ft. The specified mortar shall be approved for a wide range of applications including combustible and noncombustible penetrants when used by itself or in combination with other products from the same manufacturer. The firestop mortar shall be UL Certified and/or FM Systems Approved and tested to the requirements of ASTM E814 (UL1479) and CAN/ULC-S115.
Specified Divisions
Division 7 07 84 13 Penetration Firestopping
Division 22 22 00 00 Plumbing
Division 23 23 00 00 HVAC
Division 26 26 00 00 Electrical
Performance
SpecSeal® Firestop Mortar is the basis for systems that meet the exacting criteria of ASTM E814 (UL1479)and CAN/ULC-S115..Systems have been tested for all common forms of masonry construction and most common penetrants with
ratings up to 3 hours.
STI designed firestop systems are engineered 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.
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.
Features & Benefits
• Light Weight: Less forming and support required.
• Fast Drying: Forms come down faster!
• Low Density: Easy retrofit!
• Economical: Highest yield per pound means lower installed cost.
• Wide Range of Application: Includes aluminum cable tray.
• Red Color for easy identification and inspection.
• Chemical Adhesion reduces the need for expensive and time consuming concrete fasteners.

• Versatile Performer for a wide range of complex applications.
• Paintable

Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: **Specified Technologies Inc.**
ADDRESS: **210 Evans Way**
Somerville, NJ 08876
COUNTRY: **United States**

WEBSITE: **www.stifirestop.com**
CONTACT NAME: **George Gornick, LEED Green Associate**
TITLE: **Applications Engineer**
PHONE: **800-992-1180, Ext. 1013**
EMAIL: **ggornick@stifirestop.com**

The listed contact is responsible for the validity of this HPD and attests that it is accurate and complete to the best of his or her knowledge.

KEY

Hazard Types

AQU Aquatic toxicity
CAN Cancer
DEV Developmental toxicity
END Endocrine activity
EYE Eye irritation/corrosivity
GEN Gene mutation
GLO Global warming
LAN Land toxicity
MAM Mammalian/systemic/organ toxicity
MUL Multiple
NEU Neurotoxicity
NF Not found on Priority Hazard Lists
OZO Ozone depletion
PBT Persistent, bioaccumulative, and toxic
PHY Physical hazard (flammable or reactive)
REP Reproductive
RES Respiratory sensitization
SKI Skin sensitization/irritation/corrosivity
UNK Unknown

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)
BM-3 Benchmark 3 (use but still opportunity for improvement)
BM-2 Benchmark 2 (use but search for safer substitutes)
BM-1 Benchmark 1 (avoid - chemical of high concern)
BM-U Benchmark Unspecified (due to insufficient data)
LT-P1 List Translator Possible 1 (Possible Benchmark-1)
LT-1 List Translator 1 (Likely Benchmark-1)
LT-UNK List Translator Benchmark Unknown
NoGS No GreenScreen.

GreenScreen Benchmark scores sometimes also carry subscripts, which provide more context for how the score was determined. These are DG (data gap), TP (transformation product), and CoHC (chemical of high concern). For more information, see 2.2.2.4 GreenScreen® for Safer Chemicals, www.greenscreenchemicals.org, and Best Practices for Hazard Screening on the HPDC website (hpd-collaborative.org).

Recycled Types

PreC Pre-consumer recycled content
PostC Post-consumer recycled content
UNK Inclusion of recycled content is unknown
None Does not include recycled content

Other Terms:

GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

Inventory Methods:

Nested Method / **Material Threshold** Substances listed within each material per threshold indicated per material
Nested Method / **Product Threshold** Substances listed within each material per threshold indicated per product
Basic Method / **Product Threshold** Substances listed individually per threshold indicated per product

Nano Composed of nano scale particles or nanotechnology
Third Party Verified Verification by independent certifier approved by HPDC
Preparer Third party preparer, if not self-prepared by manufacturer
Applicable facilities Manufacturing sites to which testing applies

The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator™, and when available, full GreenScreen® assessments. The HPD Open Standard v2.1 is not:

- *a method for the assessment of exposure or risk associated with product handling or use,*
- *a method for assessing potential health impacts of: (i) substances used or created during the manufacturing process or (ii) substances created after the product is delivered for end use.*

Information about life cycle, exposure and/or risk assessments performed on the product may be reported by the manufacturer in appropriate Notes sections, and/or, where applicable, in the Certifications section.

The HPD Open Standard was created and is supported by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry that is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and for compliance with the HPD standard noted.