Submittal Sheet
09250

Firecode®
Smoke-Sound Sealant

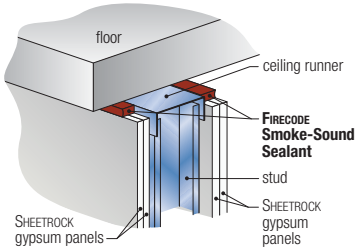
Fire and sound control in one superior performance caulk

- Superior performance as a fire caulk in UL-classified joint systems and through-penetration systems
- Ideal for use in smoke and/or sound assemblies
- Sound-blocking acoustical sealant (supports high STC ratings)
- Rust red color easy to identify for inspectors
- Grade -18°C (0°F) low temperature flexibility, strong bond
- Low VOC

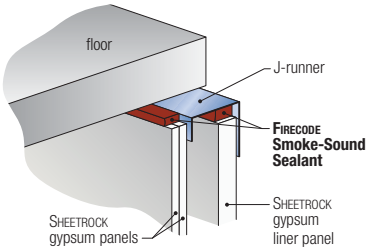
Description

USG FIRECODE® Smoke-Sound Sealant is an acrylic, latex-based fire caulk for use as a joint sealant in fire-rated partitions, smoke barriers, sound-rated assemblies and through-penetration firestop systems.

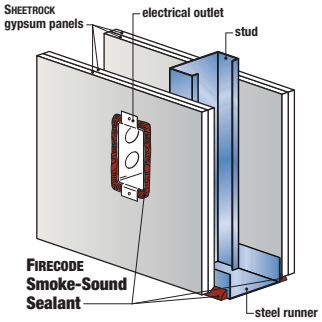
Fire Caulk – Conventional Wall



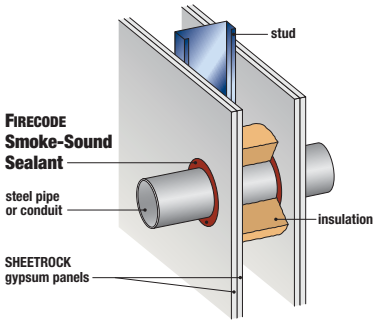
Fire Caulk – Shaft Wall



Acoustical Sealant – Perimeters and Cutouts



Fire Stop – Wall Penetration



UL Systems	**Joint Systems**	**Conventional Wall** – HW-D-0001, HW-D-0002, HW-D-0262, HW-D-0626, HW-D-0627, HW-D-0628, HW-S-0009, HW-S-0010, HW-S-0032, HW-S-0035, HW-S-0089, HW-S-0096, HW-S-0097, HW-S-0098, BW-S-0013 **Shaft Wall** – HW-D-0603, HW-D-0609, HW-D-0610, HW-D-0611, HW-D-0612, HW-D-0613, BW-S-0016
	Through-Penetration Firestop Systems	C-AJ-1020, W-L-1064

Advantages

Versatile Easily applied on vertical and horizontal surfaces without sagging, even overhead.
Sound-tested As an integral component to maintain high STC/MTC ratings in partitions.
Surface burning characteristics Classified by UL with a flame spread of 0 and a smoke developed of 0.
For use in fire-resistant, sound and smoke partitions Acceptable for use at the perimeter of most wood- and steel-stud wall assemblies.
Permanently flexible Dries tough but stays resilient to "give" with movement.
High adhesion Bonds tenaciously to both porous and nonporous materials.
Attractive appearance Product is non-staining.
Easy to dispense Good working properties ensure fast, efficient application with hand-gun equipment.
Excellent physical properties Won't sag on vertical surfaces; good open time; long shelf life.
Easy cleanup Latex based for cleanup with soap and water before drying.
Classified by UL as a Fill, Void, or Cavity material for use in fire-resistant joint systems and through-penetration systems.

USG

Limitations

1. Not to be applied to moist areas or areas continuously immersed in water.
2. Protect container from freezing and extreme heat.
3. Maintain 55 °F (13 °C) minimum temperature within the building during and after installation.
4. Product should be stored at a temperature neither below 41°F (5 °C) nor exceeding 80 °F (26.7 °C).
5. Not to be used in applications where the surrounding materials (partitions, floors, penetrations, etc.) will exceed sustained temperatures of 125 °F.
6. Not for use around CPVC or PVC pipes; consult with pipe manufacturers for compatibility.
7. Not to be used as an architectural a.k.a. painter's caulk.

Directions

Preparation

Installation of FIRECODE Smoke-Sound Sealant should not begin until building is enclosed and building temperatures are maintained at 55 °F (13 °C) minimum. Provide adequate ventilation to carry off excess moisture. Surface to be caulked must be clean, dry and free of dust.

Application

FIRECODE Smoke-Sound Sealant shall be applied in accordance with ASTM C919 using conventional caulking equipment.

In joint and through-penetration firestop systems apply the FIRECODE Smoke-Sound Sealant to minimum thickness specified in the individual fire-rated system.

In acoustical applications, apply 1/4" min. bead of sealant to seal perimeter of partition. Apply continuous bead of FIRECODE Smoke-Sound Sealant around all openings and partition intersections.

Product Data

Testing and classification: Meets ASTM C834 Standard Specification for Latex-Based Sealing compounds tested in accordance with ASTM C731, ASTM C732, ASTM C733, ASTM C734, ASTM C736, ASTM D217, ASTM D2202, ASTM D2203, and ASTM D2377. Also tested in accordance with ASTM E84 (surface burning characteristics), ASTM E90 (sound tests), ASTM E1966 (fire-resistant joint systems) and ASTM E814 (through-penetration firestop systems).
Surface burning characteristics: 0/0 (flame spread/smoke developed)
Color: Rust red
Solids: 73% ± 3%
Weight: 12.0–12.8 lb./gal. (in container)
Viscosity: 250,000–400,000 cps
pH: 8.5–9.25
VOC: <15 g/l
Shelf life: 1 year (in original, unopened container)
Coverage (approximate):85 linear ft. of 1/4" bead/29 oz. ctdg.; 37 linear ft. of 3/8" bead/29 oz. ctdg.; 22 linear ft. of 1/2" bead/29 oz. ctdg.; 11 linear ft. of 5/8" bead/29 oz. ctdg.
Packaging: 29 oz. (850 ml) cartridge

Good Design Practices

1 Sound Tests

Sound tests are conducted under laboratory conditions per ASTM procedures. Comparable field performance depends upon careful attention to details and workmanship. FIRECODE Smoke-Sound Sealant should be used to seal all assemblies used for sound control and all assembly cutouts, such as those for electrical boxes. Back-to-back penetrations of the diaphragm, flanking paths, door and borrowed-light openings should be avoided.

2 Additional Information

See publications in USG Architectural Reference Library; SA100, *Construction Selector*; SA927, *Gypsum Panels and Accessories* (for information on system components); SA727, *USG Fire Stop Systems*; SA926, *USG Shaft Wall Systems Catalog*; and http://www.usgdesignstudio.com/sealant-fire-tests.asp

Submittal Approvals:

Job Name	
Contractor	Date

WARNING!
Avoid exposure to fumes. Inhalation of vapor may cause headache, nausea, or irritation of nose, throat, and lungs. Use in a well-ventilated area. Wear a NIOSH/MSHA-approved respirator in poorly ventilated areas. Avoid contact with eyes and skin. Wear safety glasses or goggles for eye protection. If eye contact occurs, immediately flush thoroughly with water for 15 minutes. If irritation persists, consult physician. Prolonged or repeated contact with skin can cause irritation. Wear waterproof gloves and protective work clothing for skin protection. If skin contact occurs, wash thoroughly with soap and water. If irritation persists, consult physician. Do not ingest. If ingested, consult physician immediately. Product safety information: **(800) 507-8899** or **usg.com.**

KEEP OUT OF REACH OF CHILDREN.

Trademarks
The following trademarks used herein are owned by United States Gypsum Company or a related company: FIRECODE, SHEETROCK, USG, USG in stylized letters and the red and maroon design elements on the pail and cartridge.

Note
Products described here may not be available in all geographic markets. Consult your United States Gypsum Company sales office or representative for information.

Notice
We 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. Our liability is expressly limited to replacement of defective goods. Any claim shall be deemed waived unless made in writing to us within thirty (30) days from date it was or reasonably should have been discovered.

Safety First!
Follow good safety and industrial hygiene practices during handling and installation of all products and systems. Take necessary precautions and wear the appropriate personal protective equipment as needed. Read material safety data sheets and related literature on products before specification and/or installation.

Manufactured by
United States Gypsum Company
550 West Adams Street
Chicago, IL 60661

800 USG.4YOU (874-4968)
usg.com

J2042/rev. 12-11
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Printed in U.S.A.

CANNONDESIGN

SUBMITTAL IDENTIFICATION SHEET

To be completed by Contractor/CM

WEBSTER UNIVERSITY ISB
PROJECT NAME

8274 BIG BEND BLVD
ADDRESS

NUMBER

WEBSTER UNIVERSITY
OWNER

CANNON DESIGN
ARCHITECT / ENGINEER

Joe Voypick
SUBMITTED BY

079200-012
CONTRACTOR / CM SUBMITTAL NO.

CANNON DESIGN SUBMITTAL NO.

DRAWING / DETAIL REFERENCE

079200
SPECIFICATION SECTION / PARAGRAPH

Self Perform
MANUFACTURER / SUPPLIER

ITEM / PRODUCT ID

REQUIRED DATE

PRIORITY

CRITICAL

ITEM BEING SUBMITTED (check only one)

- ○ Shop Drawings
- ○ Samples (_____ copies)
- ○ LEED Submittal
- ○ Certification / Qualifications
- ○ Record Documents
- ◉ Product Data
- ○ Coordination Drawing
- ○ Calculations
- ○ Schedules
- ○ O&M Manuals
- ○ Other _____

ITEM BEING SUBMITTED FOR (check only one)

◉ Action ○ Information Only ○ Record

REMARKS OR DEVIATIONS

CONTRACTOR / CM CERTIFICATION
(SUBMITTALS NOT CERTIFIED WILL BE RETURNED WITHOUT REVIEW)

PARIC

PARIC CORPORATION
SUBMITTAL STAMP

THIS SHOP DRAWING HAS BEEN REVIEWED BY PARIC CORPORATION

Subcontractor remains responsible for dimensions, quantities, coordination with other trades and compliance with contract documents.

By:
Devin D. Gates

Joe Voypick — REVIEWED BY
9/22/16 — DATE

To be completed by Reviewer

07 9200-012
CANNON DESIGN SUBMITTAL NUMBER

9/23/16
RECEIVED DATE

- ○ A. No Exceptions Taken
  No further review of submittal is required.
- ◉ B. Make Corrections Noted
  Incorporate corrections in work; resubmission is not required.
- ○ C. Revise and Resubmit
  Revise as noted, and resubmit for review.
- ○ D. Rejected
  Submittal is not in compliance with Contract Documents; provide new submittal.
- ○ E. For Record / Information Only
  Submittal was reviewed for Record / Information purposes only.
- ○ F. Not Required for Review
  Submittal is not required by Contract Documents and has not been reviewed.

Review is for conformance with the design concept of this project and for general compliance with contract documents. Contractor is responsible for quantities, dimensions and compliance with contract documents and for information that pertains to fabrication processes, construction techniques and coordination of this work with all trades which will be affected thereby. This review is null and void if submittal deviates from contract documents and does not indicate or note deviations.

A/E COMMENTS ○ See attached sheet(s) for additional comments

Approved for fire-rated & non-rated partitions.

Per the specifications, penetrations firestopping and joint firestopping in fire-rated walls are to be completed by an independent FM4991 certified installer. Refer to specifications 078413 and 078446.

Kelvin Patel — REVIEWED BY
Digitally signed by Kelvin Patel
Date: 2016.09.30 15:27:48-05'00'
9/30/16 — DATE

PARIC
EXPERIENCE. EXCELLENCE.
77 Westport Plaza
Suite 250
St. Louis, MO 63146

TRANSMITTAL

No. 15051-0244

Paric Corporation

PROJECT: 15051-Webster University Interdisciplinary Science Building

DATE: 09/22/2016

TO: Cannon Design
1100 Clark Ave
St Louis MO 63102

RE: Firecode Smoke Sound Sealant Product Data

ATTN: Kelvin Patel

JOB: 15051

WE ARE SENDING:	SUBMITTED FOR:	ACTION TAKEN:
☐ Shop Drawings	☑ Approval	☐ Approved as Submitted
☐ Letter	☐ Your Use	☐ Approved as Noted
☐ Prints	☐ As Requested	☐ Returned After Loan
☐ Change Order	☐ Review and Comment	☐ Resubmit
☐ Plans		☐ Submit
☐ Samples	**SENT VIA:**	☐ Returned
☐ Specifications	☐ Attached	☐ Returned for Corrections
☑ Other: Product Data	☐ Separate Cover Via:	☐ Due Date:

Item	*Package*	*Code*	*Rev.*	*Copies*	*Date*	*Description*	*Status*
Submittal		079200-012	1		09/22/2016	Firecode Smoke Sound Sealant Product Data	Submitted

NOTES:

CC:

Signed: _____
Devin Gates