

Firecode® Smoke-Sound Sealant

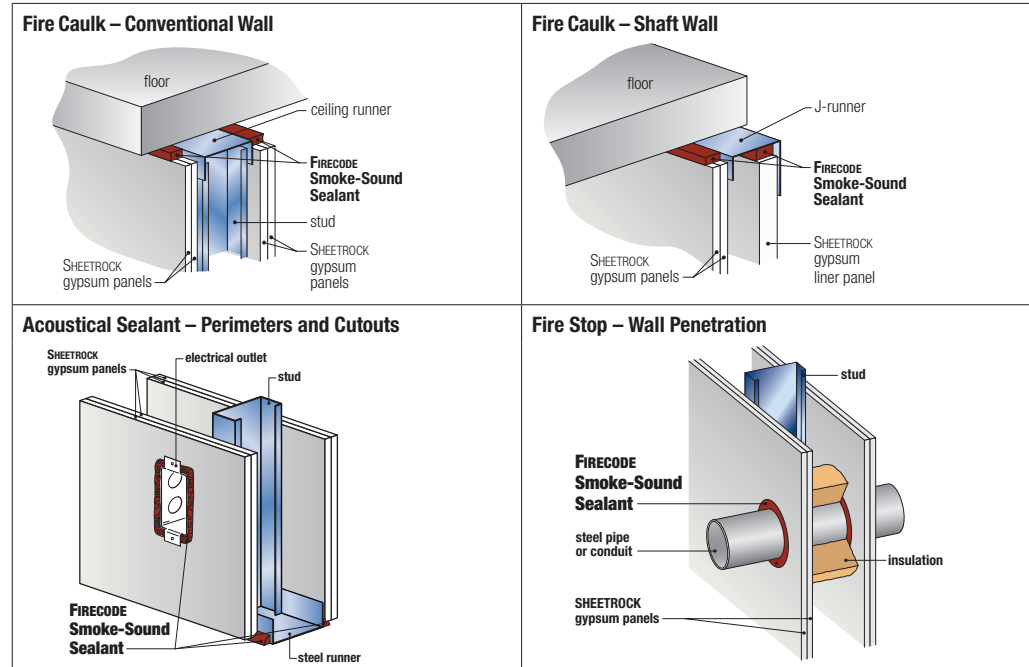


Fire and sound control in one superior performance caulk

- 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.



UL Systems	Joint Systems	<p>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</p> <p>Shaft Wall – HW-D-0603, HW-D-0609, HW-D-0610, HW-D-0611, HW-D-0612, HW-D-0613, BW-S-0016</p>
	Through-Penetration Firestop Systems	C-AJ-1020, W-L-1064

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

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Note

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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.



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