USG SHEETROCK® BRAND
FIRECODE® SMOKE-SOUND SEALANT

Makes promised ratings a reality

- Superior performance as a fire caulk in UL Classified joint and through-penetration firestop systems
- Ideal for use in smoke and/or sound assemblies
- Excellent sound-flanking material (supports high STC ratings)
- Rust red color makes identification easy for inspectors
- Meets ASTM C834 specifications for latex sealants
- GREEGUARD Gold Certified and qualifies as a low VOC emitting material (CDPH Standard Method V1.1, also known as CA Section 01350)

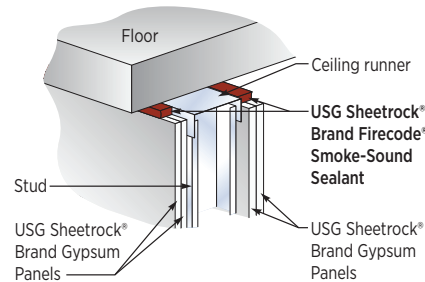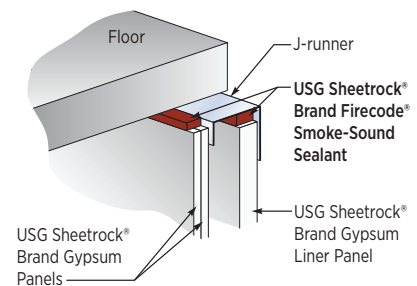**DESCRIPTION**

USG Sheetrock® Brand Firecode® Smoke-Sound Sealant is an acrylic, latex-based fire caulk for use as a sealant in fire-rated partitions, smoke barriers, sound-rated assemblies and through-penetration firestop systems.
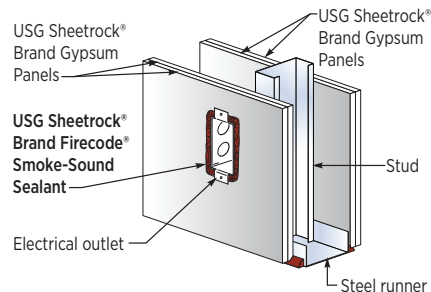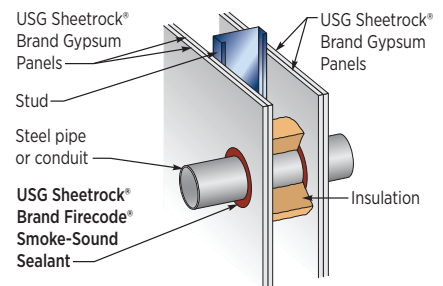
HW-D-0262 – Conventional Wall

Floor
Ceiling runner
USG Sheetrock® Brand Firecode® Smoke-Sound Sealant
Stud
USG Sheetrock® Brand Gypsum Panels
USG Sheetrock® Brand Gypsum Panels

HW-D-0603 – Shaft Wall

Floor
J-runner
USG Sheetrock® Brand Firecode® Smoke-Sound Sealant
USG Sheetrock® Brand Gypsum Panels
USG Sheetrock® Brand Gypsum Liner Panel

BW-S-0013 - Conventional Wall

USG Sheetrock® Brand Gypsum Panels
USG Sheetrock® Brand Gypsum Panels
USG Sheetrock® Brand Firecode® Smoke-Sound Sealant
Stud
Electrical outlet
Steel runner

W-L-1064 - Through Penetration

USG Sheetrock® Brand Gypsum Panels
USG Sheetrock® Brand Gypsum Panels
Stud
Steel pipe or conduit
USG Sheetrock® Brand Firecode® Smoke-Sound Sealant
Insulation

USG

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Conventional Wall: BW-S-0013, BW-S-0016, BW-S-0022, BW-S-0026, HW-D-0001, HW-D-0002, HW-D-0262, HW-D-0372, HW-D-0504, HW-D-0506. HW-D-0513, HW-D-0515, HW-D-0518, HW-D-0525, HW-D-0577, HW-D-0584, HW-D-0603, HW-D-0609, HW-D-0610, HW-D-0611, HW-D-0613, HW-D-0626, HW-D-0627, HW-D-0628, HW-D-1110, HW-S-0009, HW-S-0010, HW-S-0032, HW-S-0035, HW-S-0089, HW-S-0094, HW-S-0096, HW-S-0097, HW-S-0098, HW-S-0099, HW-S-0100, HW-S-0101, WW-S-0058, WW-S-0062

Shaft Wall: HW-D-0603, HW-D-0609, HW-D-0610, HW-D-0611, HW-D-0612, HW-D-0613, BW-S-0016

C-AJ-1020 and W-L-1064

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 flame spread of 0 and 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.
Remains Flexible: Dries tough but stays resilient to give with movement.
High Adhesion: Bonds tenaciously to a variety of surfaces.
Attractive Appearance: Product is nonstaining.
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.
UL Classified Type AS: A material for use as a fill, void or cavity in fire-resistant joint and through-penetration firestop systems.

1. Not to be applied to moist areas where frost or condensation is present or in direct contact with 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. Consult with manufacturer of adjoining materials for compatibility.
7. For through-wall penetration designs where piping is installed either concentrically or eccentrically within a cylindrical sleeve application, the design professional shall specify, at least, 1) A "vented" sleeve that allows egress of moisture from the sleeve module; 2) A spacer, packing material or backer rod that is compatible, nonreactive and/or nonconductive between the cylindrical outer sleeve and pipe material. The spacer, packing material or backer rod shall also serve the function of preventing the pipe material from contacting the outer sleeve material.
8. Not for use with CPVC or PVC products.
9. Not intended to be painted. Sealant will shrink during curing process.
10. Do not apply USG Sheetrock® Brand Acoustical Sealant in areas where abuse or abrasion of a sealant is likely.
11. There may be discoloration of sealant when in contact with certain types of metal such as copper.

Before handling, read Safety Data Sheet and product label for safe usage and health information. Installation of USG Sheetrock® Brand 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 to ensure adequate drying. The performance and adhesion of sealants will be only as good as the surface to which they are applied. Surfaces of the opening and any penetration items to be caulked must be sound, clean, dry and free of dust, debris and moisture to ensure proper adhesion.
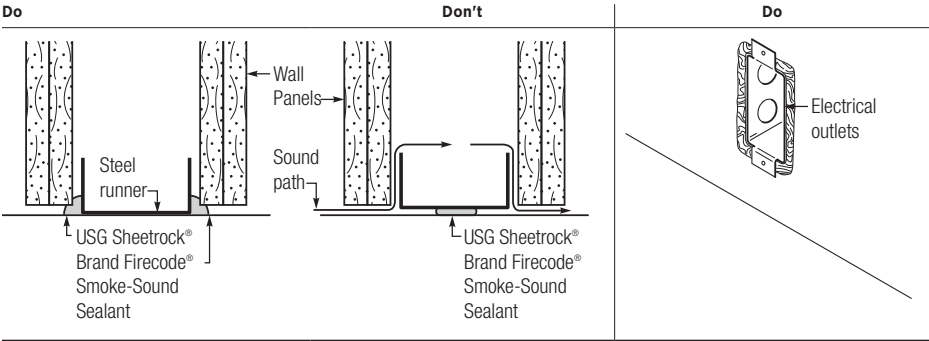
APPLICATION

USG Sheetrock® Brand Firecode Smoke-Sound Sealant shall be applied in accordance with ASTM C919 using conventional caulking equipment. In joint and firestop systems, apply the USG Sheetrock® Brand Firecode Smoke-Sound Sealant to minimum thickness specified in the individual fire-rated system.

In shaftwall applications, the maximum separation between bottom of floor and top of liner panel is 1″. Maximum separation between bottom of floor and top of gypsum board sheets at time of installation of joint system is 5/8″. The joint system is designed to accommodate a maximum 25% compression or extension from its installed width on the finished side of the wall.

For all other joints, the sealant application should be specified by a design professional who should give consideration to using a backer rod or bond tape where the gap exceeds 5/8″. For through-wall penetration designs where piping is installed either concentrically or eccentrically within a cylindrical sleeve application, the design professional shall specify a spacer, packing material or backer rod that is compatible/nonreactive with both cylindrical outer sleeve and pipe material. The space, packing material and backer rod shall also serve the function of preventing pipe from contact with the outer sleeve. In joints too shallow to take a backer rod, use a bond breaker tape to prevent three-sided adhesion.

In acoustical applications, apply 1/4″ min. bead of sealant to seal perimeter of partition. Apply continuous bead of USG Sheetrock® Brand Firecode Smoke-Sound Sealant around all openings and partition intersections. In penetration applications that are not covered in an individual fire-rated system, the thickness of the sealant applied within the opening should be no less than 1/4″ and no greater than 5/8″ flush with the top surface of the floor or sides of the wall.

Do	Don't	Do

Wall Panels

Sound path

Steel runner

USG Sheetrock® Brand Firecode® Smoke-Sound Sealant

USG Sheetrock® Brand Firecode® Smoke-Sound Sealant

Electrical outlets

Testing and Classification: Meets ASTM C834 Standard Specification for Latex-Based Sealing Compounds tested in accordance with ASTM C731, ASTM C732, ASTM C734, ASTM C736, ASTM D2202, ASTM D2203 and ASTM D2377. Also tested in accordance with ASTM E84 (surface-burning characteristics), ASTM E90 (sound tests) and ASTM E1966 (fire-resistant joint systems). ASTM E814 (through-penetration firestop systems).

Surface-Burning Characteristics: 0/0 (flame spread/smoke developed)

Color: Rust red

Solids: 73% ± 3%

Weight: 13.4 lb./gal. (in container)

pH: 8.5–9.5

VOC: 4 g/L, complies with the volatile organic compound (VOC) limit requirements set by South Coast Air Quality Management District (SCAQMD) Rule 1168.

Shelf Life: One year (in original, unopened container) under good storage practices.
Note: See #4 under Limitations.

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

1. INSPECTIONS

Periodic inspection of all sealant applications including fire-rated barriers is recommended to make sure that any new openings, modifications of previously installed seals, or areas exhibiting physical damage have been properly sealed or repaired.

2. SOUND TESTS

Sound tests are conducted under laboratory conditions per ASTM procedures. Comparable field performance depends upon careful attention to details and workmanship. USG Sheetrock® Brand 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.

3. METAL DOOR AND BORROWED-LIGHT FRAMES

Apply a continuous bead of USG Sheetrock® Brand Firecode Smoke-Sound Sealant Sealant inside door frame throat just before inserting facing panel into frame. Do not terminate gypsum panel against trim return.

4. ADDITIONAL INFORMATION

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

SUBMITTAL APPROVALS

Job Name

PRODUCT INFORMATION
See usg.com for the most up-to-date product information.

GREENGUARD Certified products are certified to GREENGUARD standards for low chemical emissions into indoor air during product usage. For more information, visit ul.com/gg

For the most up-to-date information on LEED rating systems, project certification and the U.S. Green Building Council, please visit usgbc.org

For Health Product Declaration visit usg.ecomedes.com

CAUTION
Spray or dust may cause irritation to eyes, skin, nose, throat and upper respiratory tract. Use only in a well-ventilated area, or wear a NIOSH/MSHA-approved respirator. Wear eye protection. If eye contact occurs, flush thoroughly with water for 15 minutes. If on skin: Wash with plenty of water. If swallowed and/or irritation persists, call physician. For more information call Product Safety: 800-507-8899 or see the SDS at usg.com
KEEP OUT OF REACH OF CHILDREN.

TRADEMARKS
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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 Safety Data Sheets and related literature on products before specification and/or installation.

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