USG Interior Panel & Finishing Solutions

Spec Section 092900
2.8D

SUBMITTAL SHEET

USG SHEETROCK® BRAND ACOUSTICAL SEALANT

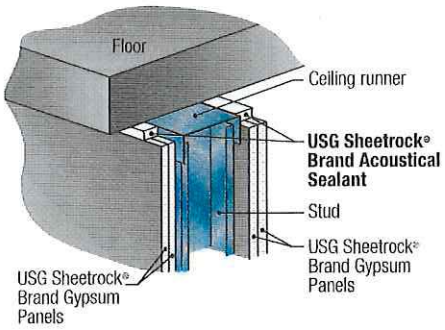
Makes promised ratings a reality

- Excellent sound-flanking material (supports high STC ratings)
- Superior performance as a fire caulk in UL Classified joint and through-penetration firestop systems
- Ideal for use in smoke and/or sound assemblies
- Meets ASTM C834 specifications for latex sealants
- Grade -18°C (0°F) low temperature flexibility, strong bond
- Low VOC

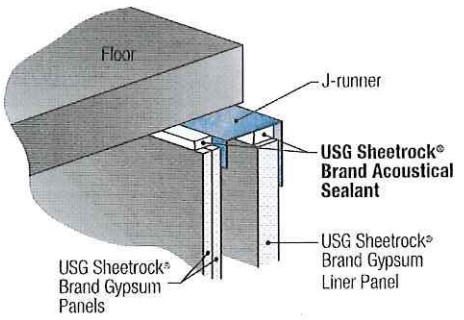
DESCRIPTION

USG Sheetrock® Brand Acoustical Sealant is an acrylic, latex-based sound caulk for use as a sealant in fire-rated partitions, smoke barriers and sound-rated assemblies.

HW-D-0262 – Conventional Wall



HW-D-0603 – Shaft Wall



UL SYSTEMS

JOINT SYSTEMS

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-0372, HW-D-0504, HW-D-05406. HW-D-0513, 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-0612, HW-D-0613, 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-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

THROUGH-PENETRATION FIRESTOP SYSTEMS

C-AJ-1020 and 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 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 As: A material for use as a fill, void or cavity in fire-resistant joint and through-penetration firestop systems.

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LIMITATIONS

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. Not for use with CPVC or PVC products; consult with manufacturers for compatibility.
7. Not intended to be painted. Sealant will shrink during curing process.
8. Do not apply USG Sheetrock® Brand Acoustical Sealant in areas where abuse or abrasion of the sealant is likely.
9. There may be discoloration of sealant when in contact with certain types of metal such as copper.

DIRECTIONS

PREPARATION

Before handling, read material safety data sheet and product label for safe usage and health information. Installation of USG Sheetrock® Brand Acoustical 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 insure adequate drying. The performance and adhesion of sealants will be only as good as the surface of which it is 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 insure proper adhesion.

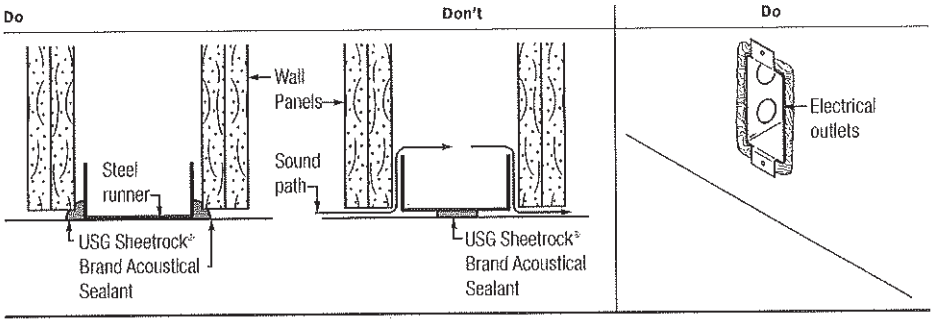
APPLICATION

USG Sheetrock® Brand Acoustical Sealant shall be applied in accordance with ASTM C919 using conventional caulking equipment. In joint and firestop systems, apply the USG Sheetrock® Brand Acoustical 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 percent 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". 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 Acoustical 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 (except above the liner panels in shaftwall applications).



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) and ASTM E1966 (fire-resistant joint systems). ASTM E814 (through-penetration firestop systems).

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

Color: Off-white

Solids: 73% ± 3%

Weight: 12.0–12.8 lbs./gal. (in container)

pH: 8.5–9.5

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PRODUCT DATA CONT.

VOC: 15 g/L

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; 392 ft. of 1/4" bead/gal.; 174 ft. of 3/8" bead/gal.; 98 ft. of 1/2" bead/gal.

Packaging: 29 oz. (850 ml) cartridge; 5 gal. (18.9 L) pail.

GOOD DESIGN PRACTICES

1. INSPECTIONS

Periodic inspection of 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 Acoustical 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 Acoustical 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; (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 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 a physician immediately.
Product safety information: 800 507-8899.
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 USG 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.

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

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

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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

092900-008
CONTRACTOR / CM SUBMITTAL NO.

CANNON DESIGN SUBMITTAL NO.

DRAWING / DETAIL REFERENCE

092900
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

09 2900-008
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

Only approved for Non-rated partitions.

Kelvin Patel
REVIEWED BY

Digitally signed by Kelvin Patel
Date: 2016.09.29 18:41:48-05'00'

09/29/16
DATE

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

TRANSMITTAL

No. 15051-0246

Paric Corporation

PROJECT: 15051-Webster University Interdisciplinary Science Building

DATE: 09/22/2016

TO: Cannon Design
1100 Clark Ave
St Louis MO 63102

RE: Acoustical 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		092900-008	1		09/22/2016	Acoustical Sealant Product Data	Submitted

NOTES:

CC:

Signed: _____
Devin Gates