

SHEETROCK® Brand Acoustical Sealant



Makes promised ratings a reality

- Superior performance
- Fast application
- Cost-effective value

Description

Partition sound ratings can match the promise of sound tests—but only when field-construction gaps are properly sealed. Although often overlooked, complete sealing of spaces at perimeters of partitions is critically important to attain these ratings. Fortunately, this is easy and economical to do. With SHEETROCK® Brand Acoustical Sealant, you can get all the test-verified STC/MTC your partition assembly can deliver. It sound-seals partitions at gaps and electrical box cutouts which are devastating to sound ratings. Use it to seal all abutting dissimilar materials on both sides of partitions. SHEETROCK Brand Acoustical Sealant is also an integral part of acoustical high-performance partition designs developed by USG for attenuation of low-frequency sound from machinery and music.

SHEETROCK Brand Acoustical Sealant is a highly elastic water-based sealant for reducing sound transmission in partition systems to achieve specified STC/MTC values. Seals spaces at perimeters of partitions or around cutouts. Surface dries to a tough film but sealant remains flexible to form a long-lasting resilient acoustical seal. Nonstaining—can be painted if required.

<p>29 STC Unsealed</p>	<p>53 STC Sealed beneath and on edge of runner track. Base layer not relieved. Face layer relieved and sealed.</p>	<p>53 STC Both base layers sealed. No relief on face layers.</p>

Advantages

- Versatile:** Has many interior acoustical uses. Easily applied on vertical and horizontal surfaces without sagging, even overhead.
- Sound-tested:** Tested at Riverbank Acoustical Laboratories in accordance with ASTM E90. An integral component in maintaining STC/MTC partition ratings.
- Surface burning characteristics:** Rates 0/0 flame-spread/smoke-developed Surface Burning Characteristics, with Underwriters Laboratories Inc. label service. Tested in accordance with ASTM E84.
- For use in fire-rated partitions for sound control:** Acceptable for use at the perimeter of any wall assemblies rated 1-3 hour with no adverse effect on assembly fire performance. Classified for use in UL Design Nos. U419, U423, U424, U441, U451, U452, U453, U454, U455, and U466. Also acceptable for use in full-load-bearing steel-stud partition (WHI-9-28-78).
- Permanently flexible:** Dries tough but stays resilient to “give” with movement.
- High adhesion:** Bonds tenaciously to both porous and nonporous materials.
- Attractive appearance:** Paintable and nonstaining.
- Skinning and low-shrinking:** Skins over, stays free of dirt; ages without hardening or cracking.
- Easy to gun:** Applies without cobwebbing, even overhead.
- 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.
- Extends assembly performance:** Maximizes its sound attenuation with complete perimeter seal of both faces.
- Efficient application:** Good working properties ensure fast, efficient application with hand-gun equipment.

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. Not to be used in applications where the surrounding materials (partitions, floor, penetrations, etc.) will exceed sustained temperatures of 150° F.

Directions

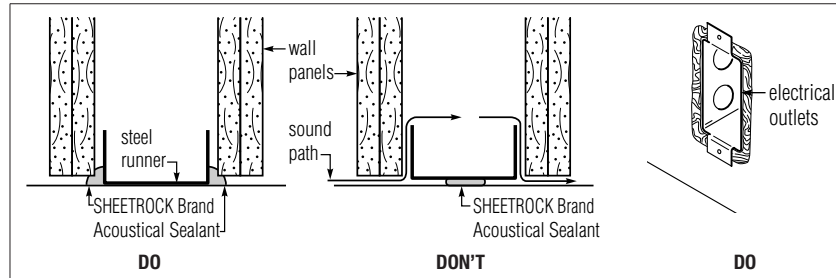
Preparation

Installation of 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. Surface to be caulked must be clean, dry, and free of dust.



Application

Use a caulking-type gun. Apply 1/4" minimum round bead of sealant (1/2" maximum) to seal perimeter of sound-rated partition. Seal sound-rated partitions on both sides where facings abut dissimilar materials: around perimeter, in the angle formed by panels and abutting dissimilar materials; at all intersections; at all panel terminations in door and window frames; and at control joint locations before attaching the control joint to the panels. Apply continuous beads of sealant around all openings formed for outlets, lights, etc. Completely butter the outside of electrical boxes. Cut gypsum panels with 1/8" maximum relief at perimeter to receive sealant. Install before sealant skins.



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 for surface burning characteristics in accordance with ASTM E84 and sound-tested in accordance with ASTM E90.

Surface burning characteristics: 0/0 (flame spread/smoke developed).

Paintability: 2 hrs. (latex-based paint); 24 hrs. (oil-based paint).

Color: Off-white.

Solids: 73% ± 3%.

Weight: 12.0-12.8 lb./gal (in container).

Viscosity: 250,000-400,000 cps.

pH: 8.5-9.25.

Shelf life: 1 year (in original unopened container).

Coverage (approximate): 392 ft. of 1/4" bead/gal.; 174 ft. of 3/8" bead/gal.; 98 ft. of 1/2" bead/gal.; 89 ft. of 1/4" bead/29 oz. ctdg.; 40 ft. of 3/8" bead/29 oz. ctdg.; 22 ft. of 1/2" bead/29 oz. ctdg.

Packaging: 29 oz. cartridge; 5 gal. pail.

Good Design Practices

- 1 System Performance** In addition to proper application of SHEETROCK Brand Acoustical Sealant to ensure an assembly's rated acoustical performance, special care should be taken not to shortcut, with rigid connections, the resiliency upon which performance depends.
- 2 Sound Tests** Sound tests are conducted under laboratory conditions per ASTM procedures. Comparable field performance depends upon careful attention to details and workmanship. 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 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); SA932, *Durock Brand Cement Board Systems* (for data on ceramic tile base); SA727, *USG Fire Stop Systems*.

Submittal Approvals:

Job Name		
Contractor		Date

Trademarks:
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Products described here may not be available in all geographic markets. Consult your U.S. Gypsum Company sales office or representative for information.

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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 installing 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.

