



TECHNICAL DATA

Pro-Series®

SC-175™ ACOUSTICAL SOUND SEALANT, Non-Flammable

DESCRIPTION

Pro-Series® SC-175™ Acoustical Sound Sealant is a one-part, non-flammable, latex base product designed specially for the reduction of sound transmission in all types of wall partition systems. Its primary function is to achieve and maintain the specific STC (Sound Transmission Class) value of the system designed.

Sealant remains permanently flexible and adheres firmly to wood or metal studs, concrete, gypsum board and most other types of building substrates. Maintains a tough rubber-like seal against air-borne sound, air infiltration and moisture. SC-175™ offers fast, smooth, easy application without difficulty in extrusion. Clean up is also quick and easy with just soap and water.

Field tested and field proven, Pro-Series® SC-175™ is recognized across the country by drywall manufacturers and architects as an effective means of reducing sound transmission.

FEATURES

- UL tested and classified
- Non-flammable formulation
- Easy application and easy clean up
- Will not harden, crack or separate
- Non-staining and non-migrating
- High degree of adhesive and cohesive strength

USES

Pro-Series® SC-175™ was developed primarily for commercial construction utilizing light weight cavity walls and

PHYSICAL PROPERTIES

| | |
|-------------------------|--|
| Type | Synthetic Latex Rubber |
| Vehicle | Water |
| Color | White |
| Solids by Weight | 75% |
| Flash Point | 200°F. TCC (minimum amount of solvent present) |
| Flammability | Non-Flammable |
| Toxicity | Toxic only if swallowed. Refer to MSDS. |
| Tooling/Open Time | 15 minutes |
| Tack Free Time | 30 minutes |
| Cure Time | 2-7 days |
| Application temperature | 40°F. minimum |
| Service Temperature | -5°F. to 170°F. |
| Freeze-Thaw Stability | Freeze-thaw stable for at least 3 cycles. Unaffected by freezing after curing. |
| Sag or Slump | Nil (ASTM D2202) |
| Shore "A" Hardness | 45 +/- 5 (Cured 30 days at room temperature) |
| Elongation | 200% |
| Accelerated Weathering | No cracks, no discoloration, no chalking: 1000 hrs. in Xenon Arc Weatherometer |
| Shelf Life | 1 year from date of manufacture at 75°F. |
| Clean Up | Soap and Water |

floor systems. The sealant is used for exposed and unexposed applications at perimeter joints, floor and ceiling runners (either wood or metal), cut-outs in gypsum board, veneer plaster systems and other areas where a sound rated assembly is required. The sealant is also applied or buttered around all electrical boxes and outlets, cold air returns, heating and air conditioning ducts, and other utility equipment penetrating wall surfaces for increased acoustical performance. The product is also excellent for perimeter sealing in residential construction around base and sill plates to help reduce air infiltration and unwanted moisture. SC-175™ is used successfully in office buildings, sound studios, hospitals, hotels, motels, schools, apartment complexes and other types of commercial and residential construction where sound ratings are required.

SPECIFICATIONS

UL Classified - 48S9 (R9732).
Tested in accordance with and conforms to:

UL 723: U.B.C. Standard No. 42-1
Class I.

ASTM E84: Surface Burning Characteristics of Building Materials.
ASTM E90-85: Laboratory Measurement of Airborne-Sound Transmission Loss of Building Materials.
ASTM D217: Testing Standard for Consistency.
ASTM C919-79: Standard Practice for Use of Sealants in Acoustical Applications.

LIMITATIONS

Do not use below freezing temperature. When temperatures are below 40°F, it is recommended that product be kept at a minimum temperature of 45°F or higher when using.

PACKAGING

29 oz. cartridges - 12/case
Item # 17529
1 gallon pail - 4 pail
Item # 17591
5 gallon pail - 1 pail
Item # 17595

STORAGE

Keep from freezing. Store in cool, dry place at room temperature, preferably at 75°F. +/- 5° for maximum shelf life and performance.

COVERAGE

29 oz. cartridge:

3/8" bead - approx. 40 lin. ft.

1/4" bead - approx. 89 lin. ft.

5 gallon pail:

3/8" bead - approx. 174 lin. ft./gal.

1/4" bead - approx. 392 lin. ft./gal.

PERFORMANCE CHARACTERISTICS

1. Underwriters Laboratories Inc.

Classified 48S9 (R9732).

UL 723: Sealant tested for surface burning characteristics.

Applied to Inorganic
Reinforced Cement Board*

Flame Spread 5

Smoke Developed 5

*Tested as applied in two 1/2 in. beads, 8 in. on center. The sealant covered 5.6 percent of the exposed sample area.

2. ASTM E90-85: STC Value - Effect of sealing the opening on a test wall partition.

APPLICATION PROCEDURES

1. All surfaces must be clean, dry and free of dirt, dust, oil, moisture and other foreign substances which could interfere with the bond of the

Test partition consisted of metal studs 24" O.C. with double layer gypsum board, Firecode "C" and attached with screws on both sides. Inside of partition was filled with sound insulation. Partition system was erected and shimmed out 4.75 mm (0.1875 in.) at top, bottom and edges.

Results: Sound Transmission Class Value.

1. Un-sealed partition - Arrows show sound travel around or through partitions.

STC=15

Metal Stud Partition

Door/window frame in a hollow partition

3. Single bead of sealant used at top, bottom and perimeter joints - both sides of system.

STC=45

sealant.

2. Cut spout on tube to desired bead size (3/8" round bead recommended) and puncture seal inside spout.

3. Sealant should be applied as specified in the sound-rated system being installed (either wood or metal studs).

A. Bottom Runners: Apply a continuous 3/8" round bead of sealant at each side of the runners before setting gypsum board. Gypsum board shall be set into sealant to form complete contact with adjacent materials. Repeat procedure for double layer applications.

B. Top Runners: Apply sealant at top of gypsum board into the joint to provide full contact between the board and the structure above.

C. Cut-Outs and Perimeter Joints: Backs of electrical boxes, pipes, duct systems and other types of utility equipment penetrating wall surfaces shall be buttered with sealant. All joints at perimeter edges including abutting surfaces and corner joints formed by components shall be sealed with sealant.

4. Maximum joint sizes should not exceed 5/8" x 1/2".

5. Clean tools and excess sealant immediately after application with soap and water.

6. If necessary, sealant can be painted as applicable to meet project requirements after 24 hours.

2. Single bead of sealant used at top and bottom runners only - both sides of partition system.

STC=24

4. Double bead of sealant used at top, bottom and all perimeter edges. Both sides of partition system.

STC=55

CAUTIONS

CONTAINS ETHYLENE GLYCOL and MINERAL SPIRITS. Do not take internally. If swallowed may cause abdominal discomfort, dizziness or malaise. Use with adequate ventilation.

KEEP OUT OF REACH OF CHILDREN.

FIRST AID

In case of eye contact, flush immediately with plenty of clean water for at least 15 minutes. Consult a physician. If swallowed, give water and induce vomiting. Call physician. If dizziness occurs, remove to fresh air. For skin contact, wash with soap and water.

NOTICE TO PURCHASER

OSI Sealants, Inc. warrants the quality of this product when used according to directions. User shall determine suitability of product for use and assumes all risk. THE FOREGOING WARRANTIES ARE IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PURPOSE NOT EXPRESSLY SET FORTH HEREIN. If not satisfied with the product's performance when used as directed, return sales receipt and used container to OSI Sealants, Inc., 7405 Production Drive, Mentor, Ohio 44060 for product replacement. The seller will not accept liability for more than product replacement.

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