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TECHNICAL DATA SHEET

SC-175
DRAFT & ACOUSTICAL SOUND SEALANT

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Item #	Package	Size
1496542	Paper Cartridge	28 fl. oz. (828 mL)

DESCRIPTION

OSI® GreenSeries™ SC-175 Draft & Acoustical Sound Sealant is a non-flammable, latex-based sealant specially designed to reduce sound transmissions and drafts in all types of wall systems where a sound-rated assembly is required. Its primary function is to achieve and maintain the specific STC (Sound Transmission Class) value of the system designed. The paintable sealant remains flexible and adheres firmly to wood, metal studs, concrete, gypsum board and most other building materials. The easy-to-use sealant cleans up easily with soap and water.

RECOMMENDED USES:

- Developed primarily for commercial construction utilizing light weight cavity walls and floor systems.
- Used successfully in office buildings, hotels, apartment complexes and other types of commercial and residential construction
- Used for exposed and unexposed applications at perimeter joints, floor and ceiling runners, cutouts in gypsum board, veneer plaster systems and other areas where a sound rated assembly is required.
- Sealant can also be 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.
- Works well for sealing sill and base plates in residential construction.

NOT RECOMMENDED FOR:

- Underwater applications or permanent water immersion
- Applications requiring temperature resistance greater than 170°F (77°C)
- Use on mirrors and metals that will corrode
- Bonding two non-porous surfaces
- Polyethylene, polypropylene, Nylon™ or Teflon™
- Cement Board (Durock™)

FEATURES & BENEFITS:

Feature	Benefits
Ultra low VOC content……	GREENGUARD® approved; Qualifies for LEED® points
Water-based adhesive……	Non-flammable and environmentally friendly
Permanently flexible……	Will not harden, crack or separate over time
Bonds to most building materials……	Provides a strong, durable bond to multiple surfaces
Easy cleanup with water (uncured adhesive)……	Eliminates the use of harsh cleaning chemicals
Low odor……	Great for indoor projects – no strong solvent odor

COVERAGE

For a 28 fl. oz. (828 mL) cartridge:
A ¼" (6 mm) bead extrudes approximately 86 ft. (26 m).
A 3/8" (9.5 mm) bead extrudes approximately 38 ft. (12 m).

DIRECTIONS

Tools Typically Required:
Utility knife, caulking gun and tool to puncture inside seal of cartridge.

Safety Precautions:
Wear gloves.

Preparation:
The temperature of the product, the surfaces and the working area must be above 40°F (4°C). For best performance, apply sealant at 70°F (21°C). Ensure surfaces to be sealed are clean, dry, structurally sound and free of dust, grease, oil, and other foreign contaminants. Cut off tip of cartridge at a 45° angle to desired bead size (3/8" recommended). Puncture inside seal of cartridge.

Application:
Sealant should be applied as specified in the sound-rated system being installed (either wood or metal studs). Maximum joint size should not exceed 5/8" (15.9 mm) x ½" (12.7 mm). If necessary, sealant can be painted as applicable to meet project requirements after 24 hours.

Bottom and Top Runners:
Apply a continuous 3/8" (9.5 mm) round bead of sealant on runners before setting gypsum board. Press gypsum board firmly into sealant, ensuring complete contact with adjacent materials. Fill joint on top runners to complete the seal. Repeat procedure for double-layer applications.

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. Seal all joints at perimeter edges including abutting surfaces and corner joints.

Clean-up:
Clean tools and uncured adhesive residue immediately with warm water and soap. Cured adhesive may be carefully cut away with a sharp-edged tool.

STORAGE AND DISPOSAL

DAMAGED BY FREEZING. Store in a cool, dry location at room temperature. For maximum shelf life store at 75°F (24°C). Take unwanted product to an approved household hazardous waste transfer facility. Hardened material may be disposed of with trash.

LABEL PRECAUTIONS

CAUTION! CONTAINS ETHYLENE GLYCOL, MINERAL SPIRITS and crystalline silica. Avoid eye contact. Do not take internally. If swallowed, may cause abdominal discomfort. Use with adequate ventilation. **KEEP OUT OF REACH OF CHILDREN.**

Refer to the Material Safety Data Sheet (MSDS) for further information

DISCLAIMER

The information and recommendations contained herein are based on our research and are believed to be accurate, but no warranty, express or implied, is made or should be inferred. Purchasers should test the products to determine acceptable quality and suitability for their own intended use. Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute a permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

TECHNICAL DATA

Typical Uncured Physical Properties		Typical Application Properties	
Color:	White	Application Temperature:	Above 40°F (4°C)
Appearance:	Non-slumping paste	Maximum Joint Size:	5/8" (15.9 mm) x ½" (12.7 mm)
Base:	Synthetic Latex Rubber	Tooling / Open Time:	15 minutes
Odor:	Mild acrylic odour	Tack-Free Time:	30 minutes
Solids Content:	75% by weight	Cure Time:	2 to 7 days Cure time depends upon temperature, humidity, porosity of substrate and thickness of sealant applied.
VOC Content:	< 1% by weight (< 22g/L)		
Freeze/Thaw Stability:	3 Freeze / Thaw Cycles (Unaffected by freezing once cured.)	Sag or Slump: (ASTM D 2202)	Nil
Shelf Life:	24 months from date of manufacture (unopened)		
Lot Code Explanation: (Lot code is stamped on bottom plunger of cartridge)	YYDDD YY = Last two digits of year of manufacture DDD = Day of manufacture based on 365 days in a year For example: 09061 = 61st day of 2009 = March 2, 2009		

Typical Cured Performance Properties

Color:	White
Cured Form:	Non-flammable solid
Service Temperature:	-5°F (-21°C) to 170°F (77°C)
Paintable:	Yes, after 24 hours.
Shore A Hardness (Cured 30 days at Room Temperature):	45 ± 5
Flame Spread: (Organic reinforced cement board)	5
Smoke Development: (Organic reinforced cement board)	5

Specifications:

- UL Classified 48S9 (R9732) UL 723:
  - Tested in accordance with and conforms to UL 723: U.B.C. Standard No. 42-1 Class I
  - Sealant tested for surface burning characteristics
- Tested to or conforms to:
  - ASTM C 834: Standard Specification for Latex Sealants
  - ASTM E 84: Surface Burning Characteristics of Building Materials
  - ASTM E 90-85: Laboratory Measurement of Airborne-Sound Transmission Loss of Building Materials
  - ASTM D 217: Testing Standard for Consistency
  - ASTM C 919: Standard Practice for Use of Sealants in Acoustical Applications
- GreenGuard® certified
- Qualifies for LEED® points
- Complies to the following VOC regulations:
  - SCAQMD Rule 1168 VOC
  - CARB
  - BAAQMD