Specifier editing notes and additional information is hidden by default. To view hidden text, see methods below.

1. Method 1: Activate “Show/Hide ¶” to reveal formatting symbols. The default shortcut for this setting is ctrl+* (ctrl+shift+8).
2. File > Options > Display, Check “Hidden Text.”

Specifier Note: This guide specification has been prepared using the CSI (Construction Specification Instute) Master Format 2018 Edition.

The purpose of this guide specification is to assist the specifier in correctly specifying sealant products and execution. The specifier needs to edit the guide specifications to fit the needs of specific projects. Editable text fields are highlighted in orange for visibility. Contact a Henkel OSI® Specialist to assist in appropriate product selections.

This guide provides for OSI® SC175, draft & acoustical sound sealant. OSI® SC175 is a gun grade, 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. This paintable sealant remains flexible and adheres firmly to wood, metal studs, concrete, gypsum board and most other building materials. It is easy-to-use and cleans up easily with soap and water.

OSI® SC175 Draft & Acoustical Sound Sealant

SECTION 07 92 19 – Acoustical Joint Sealants

PART 1 GENERAL

1.01 SUMMARY (Specifier Note: edit the following [A. This section includes the following] to meet project specific project applications and conditions.)

A. This section includes the following:
   1. OSI® SC175: Application of latex-based sealant specifically designed to reduce sound transmission and drafts within a wall system where a sound rated assembly is required.

B. RELATED SECTIONS: (Specifier Note: edit the following [B. RELATED SECTIONS] to meet project specific applications and conditions. Specify section numbers in accordance with CSI MASTER FORMAT and section titles referenced. Remove any of the following that do not apply.)
   1. 01 00 00 General Requirement
   2. 05 10 00 Structural Metal Framing
   3. 06 10 00 Rough Carpentry
   4. 07 26 00 Vapor Retarders
   5. 07 27 00 Air Barriers

6. 07 84 00 Firestopping
7. 07 92 00 Joint Sealants
8. 09 20 00 Plaster and Gypsum Board
9. 09 80 00 Acoustic Treatment

1.02 REFERENCES

A. ASTM International (ASTM)
   1. ASTM C734 – Standard Test Method for Low-Temperature Flexibility of Latex Sealants After Artificial Weathering
   2. ASTM C794 – Standard Test Method for Adhesion-In-Peel of Elastomeric Joint Sealants
   3. ASTM C834 – Standard Specification for Latex Sealants
   4. ASTM C919 – Standard Practice for Use of Sealants in Acoustical Applications
   5. ASTM D217 – Standard Test Methods for Cone Penetration of Lubricating Grease
   6. ASTM D2202 – Standard Test Method for Slump of Sealants
   7. ASTM E84 – Standard Test Method for Surface Burning Characteristics of Building Materials
   8. ASTM E 90 – Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements

B. Underwriter Laboratories, Inc. (UL)
   1. UL 1479 – Standard for Fire Tests of Penetration Firestops
      a. Through Penetration Fire Stop Systems:
         i) C-A-1689
         ii) C-AJ-1690
         iii) W-J-2345
         iv) W-J-3262
         v) W-L-3444
   2. UL 2079 – Standard for Tests for Fire Resistance of Building Joint Systems
      a. Joint Systems:
         i) FF-S-1047
         ii) FW-S-1025
   3. UL *GREENGUARD*® certified

C. California Air Resources Board (CARB)

D. South Coast Air Quality Management District (SCAQMD)

1.03 SUBMITTALS

A. Refer to section 01 33 00 – Submittal Procedures (Specifier Note: Delete all that do not apply or have not been submitted.)
   1. 01 33 13 – Certificates
   2. 01 33 16 – Design Data
   3. 01 33 19 – Field Test Reporting
   4. 01 33 23 – Shop Drawings, Product Data, and Samples
   5. 01 33 26 – Source Quality Control Reporting

6. 01 33 29 – Sustainable Design Reporting

B. Product Technical Data: Submit most current manufacturer technical literature for each type of product used including the following, but not limited to:
   1. Preparation instructions and recommendations.
   2. Storage and handling requirements and recommendations.
   3. Installation methods.

C. Samples: All products specified. Verify performance criteria and installation procedure.

D. Quality Assurance Submittals
   1. Manufacturer Instructions: Provide manufacturer's written installation instructions.

1.04 QUALITY ASSURANCE

A. Installer Qualifications:
   1. Installer to comply with quality assurance articles referenced in ASTM C919 for installation of acoustical sound sealant.
   2. Installation shall be in accordance with manufacturer's installation guidelines and recommendations.
   3. Installer shall have documented history of successful project execution and installation of said product.

B. Pre-Construction Mock-Up: (Specifier Note: Mock-ups are recommended for all projects using OSI® SC175. Mock-up requirement will likely be included in the specification section for the wall cladding and/or windows. Include OSI® SC175 as part of the required mock-up.)
   1. Install mock-up prior to installation using OSI® SC175 Draft & Acoustical Sound Sealant including surface preparation per acoustical joint sealant manufacturer's instructions. Obtain Architect/Engineer/Consultant or Owner's approval of joint treatments to establish adhesion, appearance, and workmanship standard.
      a. Mock-Up Size: insert mock up dimensions
      b. Mock-Up Substrate: insert substrate vertical surfaces as agreed to prior to Mock-up installation.
      c. Maintain mock-up during construction for workmanship standard.
      d. Mock-up to be incorporated into final construction upon Architect/Engineer/Consultant/Owner's written approval.

1.05 DELIVERY, STORAGE AND HANDELING

A. Deliver, store, handle, and protect all products in accordance with Section 01 60 00, Product Requirements. (Specifier Note: Review the following. Delete all that do not apply.)
   1. 01 61 00 – Common Product Requirements
   2. 01 64 00 – Owner-Furnished Products.
   3. 01 65 00 – Product Delivery Requirements
   4. 01 66 00 – Product Storage and Handling Requirements
      a. 01 66 13 – Product Storage and Handling Requirements for Hazardous

Materials
b. 01 66 16 – Product Storage and Handling Requirements for Toxic Materials

B. Deliver all OSI® SC175 materials and components in manufacturer's original, unopened, undamaged containers with identification labels intact.

C. Comply with manufacturer's ordering instructions and lead-time(s) required to avoid construction delays.

D. Store OSI® SC175 as recommended by manufacturer. Refer to manufacturer Technical Data Sheet (TDS) available at www.ositough.com.

1.06 PROJECT CONDITIONS

A. Environmental Requirements:
1. Verify substrates and ambient air temperature at project site before, during, and after application to assure compliance with manufacturer's recommendations.
a. Weather Conditions:
i) Apply in accordance with manufacturer's instructions. Refer to product Technical Data Sheets (TDS) available at www.ositough.com.
ii) Compliance: Follow manufacturer's specific safety, health and environmental recommendations per most recent Safety Data Sheets, technical bulletins, and instructions. Handle all solvents in compliance with applicable EPA, OSHA, and VOC requirements regarding health/safety standards.

1.07 WARRANTY

A. OSI® Limited Warranty:
1. OSI® products are warranted by Henkel Corporation to be free from defects in materials when used as directed. Henkel's sole obligation shall be, at its option, to replace or refund the purchase price of product proven to be defective. Henkel makes no other warranty – express or implied – including warranties of MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE and will not be liable for consequential or incidental damages. This Limited Warranty gives you specific legal rights, which vary from state to state.
a. For warranty assistance, contact Henkel at 1.800.624.7767 M-F 9:00 AM to 4:00 PM ET.

PART 2 PRODUCTS (Specifier Note: Product Information is proprietary to OSI® products. If additional products are required for competitive procurement, contact the Henkel Corporation for assistance – 1-800-624-7767, Mon. – Fri. 9:00AM – 4:00PM ET)

2.01 MANUFACTURER

A. Approved Manufacturer/Distributor:
1. Henkel Corporation:
a. Address: 26235 First Street, Westlake, OH 44145
b. Phone: 1-866-591-2178

c. Web Address: http://www.positough.com.

2.02 MATERIALS

A. Description: OSI® SC175 – Latex based draft & acoustical joint sealant:
   1. Appearance: Nonslumping paste
   2. Color: White
   3. Composition: Synthetic latex rubber
   4. Building System Applications: Reduce sound transmission and drafts within non fire rated and fire rated systems.
   5. Freeze/Thaw Stability: 3 Freeze/Thaw Cycles
      a. Unaffected by freezing once cured
   6. VOC Content (CARB): <1.0% by weight
      a. SCAQMD rule 1168 45 g/L
   7. Shelf Life: 24 months from date of manufacture (unopened)

B. Application Properties:
   1. Application Temperature: Above 40°F (4°C)
   2. Tooling time: 15 minutes [Cure time is dependent on temperature, humidity and depth of sealant applied.]
   3. Tack Free: 30 minutes
   4. Cure Time: 2-7 days or longer [Cure time is dependent on temperature, humidity and depth of sealant applied.]
   5. Sag or Slump (ASTM D2202):
      a. 0.10 inches

C. Performance Properties:
   1. Service Temperature: -5°F (-21°C) to 170°F (77°C)
   2. Surface burning characteristics (ASTM E84): [inorganic reinforced cement board]
      a. Flame spread index: 0
      b. Smoke development: 0
   3. Sound transmission class (ASTM E90):
      a. Unsealed partition STC=15 [baseline]
         i) Single bead of sealant used at top and bottom runners only – both sides of partition system: STC =24
         ii) Single bead of sealant used at top, bottom, and perimeter joints – both sides of system: STC = 45
         iii) Double Bead of Sealant used at top, bottom, and all perimeter edges - both sides of partition system: STC = 55
   4. Low Temperature Flexibility After Artificial Weathering (ASTM C734):
      a. PASS with no cracking or adhesion loss.
   5. Consistency Test (ASTM D217):
      a. 300dmm
   6. 180° Peel Adhesion (ASTM C794) 7-day cure @ 73°F & day cure @ 122°F:
      a. Aluminum: 10.0pli
      b. Wood: 8.0pli

2.03 ACCESSORIES

A. General:

1. Verify compatibility of any product that makes physical contact with or is used in combination with OSI® SC175.

B. Product Specific Application Equipment & Tools: (Specifiers Note: Remove sections below that do not apply to project specific conditions. Include additional sections that aren't explicitly outlined below but are part of project scope and conditions.)
   1. Utility Knife
   2. Caulking Gun
   3. Puncturing tool (to puncture interior cartridge seal)

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify substrate and surface conditions are in accordance with acoustic joint sealant manufacturer recommended tolerances prior to installation.

3.02 PREPARATION

A. General:
   1. Installer shall refer to manufacturer approved installation instructions and individual product Technical Data Sheets (TDS) for required environmental installation conditions and surface/substrate preparation. www.positough.com

3.03 INSTALLATION

A. General:
   1. Refer to manufacturer Technical Data Sheet (TDS) available at www.positough.com.

3.04 FIELD QUALITY CONTROL

A. Notify manufacturer's designated representative to obtain periodic observations of acoustic joint sealant installation.

B. Field Adhesion testing is recommended for unverified or unapproved substrates. Contact designated manufacturer representative for consultation.

3.05 CLEANING AND PROTECTION

A. Refer to manufacturer Technical Data Sheet (TDS) available at www.positough.com.

END OF SECTION