



# TECHNICAL DATA SHEET

## DRAFT & ACOUSTICAL SOUND SEALANT

# SC175

## DESIGNED FOR USE ON SOUND-RATED WALL SYSTEMS



**Description:** OSI SC175 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. 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.

### Available As:

Item #	Size	Color
1496542	28 fl oz (828 ml)	White

### Features & Benefits:

- Designed for Use on Sound-Rated Wall Systems
- Reduces Draft & Sound Transmission
- Permanently Flexible
- Easy Application & Clean-Up
- VOC Compliant

### Recommended For:

- 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

### For Best Results:

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, polytetrafluoroethylene (PTFE)/Teflon® or nylon
- Cement Board (Durock®)

### Coverage:

For a 28 fl. oz. (825 mL) cartridge:

- A 1/4" (6 mm) bead extrudes approximately 86 ft. (26 m)
- A 3/8" (9.5 mm) bead extrudes approximately 38 ft. (12 m)

Note: Yields shown are based on theoretical calculations, for comparison purposes, and will vary depending on ambient conditions and particular application.



# TECHNICAL DATA SHEET

## Typical Uncured Physical Properties:

Color:	White	
Appearance:	Non-slumping paste	
Base:	Synthetic Latex Rubber	
Odor:	Mild acrylic odour	
Specific Gravity:	1.589	
Flashpoint:	800.6°F (427°C)	
VOC Content:	<1% by weight	CARB
	45 g/l	SCAQMD rule 1168
Freeze/Thaw Stability:	3 Freeze/Thaw Cycles Unaffected by freezing once cured	
Shelf Life:	24 months from date of manufacture (unopened)	
Lot Code Explanation:	<b>YYDDD</b>	
	<b>YY</b> = Last two digits of year of manufacture	
	<b>DDD</b> = Day of manufacture based on 365 days in a year	
Stamped on bottom plunger of cartridge	For example: 14061 = 61 <sup>st</sup> day of 2014 = March 2, 2014	

## Typical Application Properties:

Application Temperature:	Above 40°F (4°C)	
Open/Tooling Time:	15 minutes*	
Tack-Free Time:	30 minutes*	
Cure Time:	2-7 days*	
	*Time is dependent on temperature, humidity, porosity of substrate and depth of sealant applied	
Sag or Slump:	0.10 inch	ASTM D2202

## 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	
Surface Burning Characteristics:	Flame Spread Index: 0 Smoke Development: 0	ASTM E84 Inorganic reinforced cement board
Sound Transmission Class:	Unsealed partition: STC = 15	ASTM E90
	Single bead of sealant used at top and bottom runners only – both sides of partition system: STC = 24	
	Single bead of sealant used at top, bottom and perimeter joints – both sides of system: STC = 45	
	Double Bead of Sealant used at top, bottom and all perimeter edges - both sides of partition system: STC = 55	
Low Temperature Flexibility After Artificial Weathering:	Pass with no cracking or adhesion loss	ASTM C734
Consistency Test:	300	ASTM D217
Adhesion-in-Peel		ASTM C794
Aluminum:	10 pli	7 day cure @ 73°F & 7 day cure @ 122°F
Wood:	8 pli	



# TECHNICAL DATA SHEET

Specifications:

Tested to or conforms to:

- ASTM C834
- ASTM E84, Class A – Tested by NGC Testing Services
- ASTM E90
- ASTM C919
- ASTM D217
- GreenGuard® Certified

**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 1/2" (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.

For further application information, refer to ASTM C919 - Standard Practice for Use of Sealants in Acoustical Applications.

**Clean-up:**

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

**Storage & 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. May cause skin, eye and respiratory irritation. Avoid contact with eyes and skin. Avoid breathing vapors. Use with adequate ventilation. Do not swallow. FIRST AID: If swallowed do not induce vomiting, call a physician or Poison Control center immediately. For eye contact, flush with water for 15 minutes, call a physician. For skin contact, wash thoroughly with soap and water. **KEEP OUT OF REACH OF CHILDREN.**

**WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

**Refer to the Safety Data Sheet (SDS) for further information.**

**Limited Warranty:**

This product is warranted 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. Henkel may be contacted at 1.800.624.7767 M-F 9:00 am to 4:00 pm ET for warranty assistance.

**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 SHEET



**OSI Tougher than the Elements. For Professional Use Only. The Battle will be Fierce.**

OSI works side by side with residential builders, contractors and remodeling professionals who use our products everyday on their jobsites. OSI combines this deep understanding with the sophisticated global innovation and manufacturing excellence of Henkel to make the world's best professional-grade caulks, sealants and adhesives.

1-800-624-7767 – Mon-Fri - 9:00a – 4:00p ET

[www.ositough.com](http://www.ositough.com)



OSI Brand is part of the Henkel family of brands. Founded in 1876, Henkel is a global leader in the consumer and industrial businesses. Henkel operates worldwide with leading brands and technologies in three business areas: Laundry & Home Care, Beauty Care and Adhesive Technologies.

Henkel Corporation - Professional & Consumer Adhesives Headquarters - Rocky Hill, CT 06067

[www.henkeln.com](http://www.henkeln.com)

Revision Date: 11/13/2015 Supercedes: 07/27/2015 Ref. #: 1067703