



TECHNICAL DATA SHEET

ACOUSTICAL SOUND SEALANT

SC170

REDUCES SOUND TRANSMISSION

Description: OSI SC170 Vapor & Acoustic Sound Sealant is specifically designed for reducing sound transmission in all types of wall partitions to maintain specified STC values. Sealant is non-hardening, non-staining and very tacky. It adheres to drywall, wood, metal, masonry, polyethylene and other building materials. OSI SC170 provides an air tight vapor barrier when used with polyethylene sheeting to help prevent air infiltration and the formation of condensation.

Available As:

| Item # | Size | Color |
|---------|-------------------|-------|
| 1305812 | 28 fl oz (828 ml) | Black |

Features & Benefits:

- Reduces sound transmission in wall systems
- Prevents air infiltration and condensation
- Meets specified STC values
- Provides a long term moisture barrier
- Remains flexible from a wide temperature range of -40°F to 250°F (-40°C to 120°C)
- Long lasting adhesion

Recommended For:

OSI SC170 was developed primarily for commercial construction utilizing light weight cavity walls and floor systems. The sealant is used for 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.

It bonds common vapour barrier films to metal, concrete, masonry, asbestos, gypsum board, plaster and wood. It may be used as a bedding compound over vibrating elements, electrical boxes or other items recessed in or passing through walls. It is also compatible with foam board insulation as well as the lap sealing of sheet metal.

Acoustical Sealant:

Reduces sound transmission of partition systems. It will effectively increase the Sound Transmission Class (STC) value by as much as 65% by properly sealing partition openings. See ASTM C 919 Section 8.2.2 for use of non-drying and non-skinning sealants in acoustical applications. The sealant is non-bleeding and will not stain walls.

Vapour Barrier Sealant:

Maintains a positive airtight seal by remaining both permanently adhesive and flexible for all substrates that it is applied on, such as polyethylene vapour barrier films, wood, concrete, metal and foam boards. It is excellent for sealing roof drains and behind termination bar details for commercial roofing applications.

Bedding Sealant:

Used as a buck frame, threshold or bedding sealant when applied to metal or glass surfaces.

Curtainwall Sealant:

Prevents air infiltration and water leakage in unexposed curtain wall joints.

For Best Results:

- Non-skinning, cannot be painted and should only be used in unexposed areas
- Not recommended for contact with oil-based caulking, silicone sealant, polysulfide or fillers impregnated with oil
- Should not be used in applications requiring continuous water submersion
- Not recommended for use with freshly treated wood. It must have been weathered for at least 6 months

Coverage:

For a 28 fl. oz. (828 mL) cartridge:

- A 1/4" (6 mm) bead extrudes approximately 85 ft. (26 m)
- A 3/8" (9.5 mm) bead extrudes approximately 38.1 ft. (11.6 m)



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Typical Uncured Physical Properties:

| | | |
|-----------------------|---|------------------|
| Color: | Black | |
| Appearance: | Non-slumping paste | |
| Base: | Synthetic Rubber | |
| Solvent: | Hydrocarbon blend | |
| Odor: | Solvent (use in well-ventilated area) | |
| Specific Gravity: | 1.4 | |
| Flash Point: | 106° F (41° C) | |
| % Solids by Weight: | 85% minimum | |
| VOC Content: | 15% by weight | CARB |
| | 120 g/l | SCAQMD rule 1168 |
| Shelf Life: | 24 months from date of manufacture (unopened) | |
| Lot Code Explanation: | MDDY-LB M = Month of manufacture (Letters are used, ie. O=Oct, N=Nov) DD = Day of manufacture based on number of days in month Y = Last digit of year of manufacture L =Mixer, B -Order of batches made in mixer on that date Example: 7123-B1 = July 12, 2013 Made in Mixer B, 1 st batch | |

Typical Application Properties:

| | | |
|--------------------------|--|------------|
| Application Temperature: | Apply between 41°F (5°C) and 95°F (35°C) | |
| Cure Time: | Does not cure | |
| Boeing Sag: | 0.15 inches maximum at 158°F | ASTM D2202 |

Typical Cured Performance Properties:

| | | |
|----------------------|---|--------------------------------|
| Color: | Black | |
| Service Temperature: | -40°F (-40°C) to 250°F (120°C) | |
| Water Resistant: | Yes | AAMA 809.2 Non-Drying Sealants |
| Shrinkage: | 20% maximum | ASTM D2453 |
| Hardness: | 30-40 | Shore 00 Durometer |
| Peel Strength: | >0.5 pli with no loss of bond | ASTM C794 |
| Weathering: | Very slight color change; no loss of adhesion; no cracking; no wrinkling or oil exudation | ASTM G53, QUV chamber |
| Specifications: | <ul style="list-style-type: none"> • AAMA 809.2-92 • NAAMM SS-Ia-68 | |



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Directions:

Tools Typically Required:

Utility knife, caulking gun, rod to puncture nozzle's foil seal.

Safety Precautions:

Apply in a well-ventilated area. Wear gloves and wash hands after use.

Preparation:

Use above 40°F (4°C). Surfaces must be clean, dry and free of grease, dust and other contaminants. Cut nozzle at a 45° angle creating a 6 mm (1/4") or 10 mm (3/8") diameter bead and puncture inner seal.

Application:

Using a caulking gun, apply sealant with a steady pressure. Apply sealant underneath all runners at the ceiling and floor, the backs of electrical boxes, pipes, cutouts, perimeter joints and other non-exposed locations for desired STC values. For polyethylene vapor barrier sheeting, seal all lap joints and joints between sheeting and framing members. Press the vapor barrier into the adhesive to ensure good contact. Do not use in joints greater than 20 mm (3/4") wide by 13 mm (1/2") deep.

Clean-up

Clean tools and excess sealant residue with mineral spirits following solvent manufacturer's precautions.

Storage & Disposal:

NOT DAMAGED BY FREEZING. Use an approved hazardous waste facility for disposal.

Label Precautions:

WARNING! COMBUSTIBLE. MAY CAUSE SKIN, EYE AND RESPIRATORY IRRITATION.

WARNING! Contains mineral spirits. Keep away from heat, sparks and flame. Prevent build-up of vapors by opening windows and doors to achieve cross-ventilation. May affect the brain or nervous system causing dizziness, headache or nausea. 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 THE REACH OF CHILDREN.**

WARNING: This product contains chemicals known to the State of California to cause cancer.

NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain, nervous system, liver and kidney damage or may cause cardiac arrhythmia. **INTENTIONAL MISUSE BY DELIBERATELY INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.**

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.

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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

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

www.henkelna.com

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