



# TECHNICAL DATA SHEET



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Item #	Package	Size
1305812	Paper Cartridge	28 fl. o z.

## DESCRIPTION

OSI® SC-170™ Acoustical 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. SC-170™ provides an air tight vapor barrier when used with polyethylene sheeting to help prevent air infiltration and the formation of condensation.

## RECOMMENDED USES:

SC-170™ 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.

### 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.

### Vapor 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.

## LIMITATIONS

- SC-170™ is non-skinning. It cannot be painted and should only be used in non-exposed areas
- Not recommended for continuous water submersion applications.

## FEATURES & BENEFITS:

Feature	Benefits
Seals polyethylene to wood or metal framing.....	Will not dry out; Long-lasting adhesion to hard to bond surfaces such as polyethylene vapor barrier
Reduces sound transmission in wall systems.....	Maintains specified STC values
Remains flexible even at extremely low Temperatures.....	Wide service temperature range of -40°F (-40°C) to 250°F (120° C)
Excellent adhesion to multiple substrates.....	Adheres to clean concrete, gypsum, metal, glass, plastic and wood surfaces without primer

## COVERAGE

A 28 fl. oz. cartridge will extrude approximately 85 ft (26 m) of a 1/4" (6 mm) diameter bead.

## 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 AND DISPOSAL

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

## LABEL PRECAUTIONS

**WARNING!** Contains aliphatic hydrocarbons. Keep away from heat, sparks and flame. Prevent build-up of vapors by opening windows and doors to achieve cross-ventilation. Vapor Harmful. 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 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	
<u>Color:</u>	Black	<u>Application Temperature:</u>	Apply between 40°F (4°C) and 95°C (35°C)
<u>Appearance:</u>	Non-slumping paste	<u>Dry time:</u>	Does not dry out
<u>Base:</u>	Synthetic Rubber	<u>Odor:</u>	Solvent (work in a well-ventilated area)
<u>Solvent:</u>	Hydrocarbon blend		
<u>Flash Point:</u>	41°C (106°F)		
<u>Specific Gravity:</u>	1.30		

% Solids: 85 – 95%  
VOC Content: 108 g/L (8.3% by weight)  
Shelf Life: 24 months from date of  
manufacture (Unopened)

Lot Code Explanation: **MDDY-LB**

M = Month of Manufacture  
(Exception: Letters are used  
for O = Oct, N = Nov, D = Dec)  
DD = Day of Manufacture  
(Based on days in month)  
Y = Last digit of Year of  
Manufacture  
L = Mixer  
1 = Order of batches made in  
that mixer on that date

(Lot code not on cartridge.  
Only on case pack label)

For Example: **7129-B1**

DOM = July 12, 2009, Mixer B,  
1st Batch

### Typical Performance Properties

<u>Color:</u>	Black
<u>Service Temperature:</u>	-40°F (-40°C) to 250°F (121°C)
<u>Water Resistance:</u>	Yes
<u>Sag (ASTM D2202):</u> At 158°F (70°C)	0.15"
<u>Specifications:</u>	1) AAMA 809.2-92 2) NAAMM SS-1a-68 3) CAN/CGSB 19-GP-21 M87