



# TECHNICAL DATA SHEET



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## DESCRIPTION

LePage® PL® Acousti-Seal has a unique blend of synthetic rubber and polymers to bond polyethylene vapour barrier sheets. It provides an efficient seal to aid in the reduction of airborne sound transmission in wall assembly systems. PL Acousti-Seal should only be used in concealed areas. Since this product does not dry, it is normal for the sealant to accumulate dirt, but this will not affect its functionality.

## RECOMMENDED FOR:

PL Acousti-Seal 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:

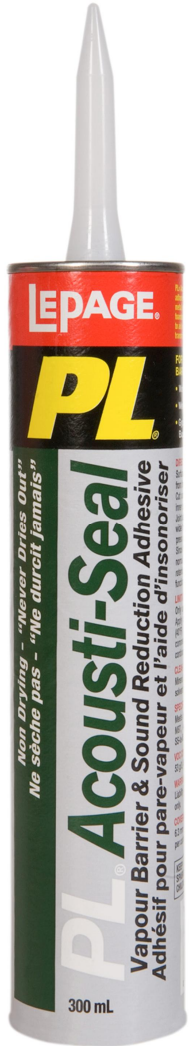
Prevents air infiltration and water leakage in unexposed curtain wall joints.

## LIMITATIONS:

- PL Acousti-Seal is non-skinning. It 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
- Freshly treated wood. It must have been weathered for at least 6 months.

## 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°C (-40°F) to 120°C (250°F)
Excellent adhesion to multiple substrates.....	Adheres to clean concrete, gypsum, metal, glass, plastic and wood surfaces without primer
Water resistant, even under immersion conditions....	Long term moisture barrier



Item #	Package	Size
1435208	Paper Cartridge	295 mL
628822	Paper Cartridge	825 mL

## COVERAGE

A 300 mL cartridge will extrude approximately 8 m (26 ft) of a 6 mm (1/4") diameter bead.  
A 825 mL cartridge will extrude approximately 26 m (85 ft) of a 6 mm (1/4") diameter bead.

## DIRECTIONS

### **Tools Typically Required:**

Utility knife, caulking gun, long and thin tool to puncture cartridge seal.

### **Safety Precautions:**

Well-ventilated area, gloves.

### **Preparation:**

Use above 5°C (41°F). Surfaces must be clean, dry and free of grease, dust and other contaminants. Complete preparatory work before opening sealant. 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. Support tooled or joined surfaces for 8 hours minimum.

### **Clean-up**

Clean tools and 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

**CAUTION. POISON. FUMES MAY BE HARMFUL.** Do not breathe fumes. Do not swallow. Use only in a well-ventilated area. Keep away from flames or sparks. Do not get in eyes or on skin or clothing. **KEEP OUT OF REACH OF CHILDREN. FIRST AID TREATMENT:** Contains petroleum distillate. If swallowed, call Poison Control Centre or doctor immediately. If in eyes or on skin, rinse well with water. If breathed in, move person into fresh air.

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>Colour:</u>	Black	<u>Application Temperature:</u>	Apply between 5°C (41°F) and 35°C (95°F)
<u>Appearance:</u>	Non-slumping paste	<u>Dry time:</u>	Does not dry out
<u>Base:</u>	Synthetic Rubber	<u>Odour:</u>	Solvent (work in a well-ventilated area)
<u>Solvent:</u>	Hydrocarbon blend		
<u>Viscosity:</u>	900 Mcps @ 5 rpm		
<u>Flash Point:</u>	41°C (106°F)		
<u>Specific Gravity:</u>	1.46		
<u>% Solids:</u>	85% to 95%		

VOC Content: 8.6% by weight (125 g/L)

Shelf Life: 24 months from date of manufacture (Unopened)

Lot Code Explanation: **MDDY-LB**

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

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  
B = Order of batches made in  
that mixer on that date

For Example: **7123-B1**

DOM = July 12, 2013, Mixer B,  
1st Batch

### Typical Performance Properties

Colour: Black

Service Temperature: -40°C (-40°F) to 121°C (250°F)

Sag:  
(ASTM D 2202)  
At 70°C (158°F) 0.15"

Peel Strength:  
(ASTM C 794) >0.5 pli with no loss of bond

Press-flow Viscosity:  
(ASTM D 2452 (modified)) 40 seconds maximum

Hardness:  
(Shore 00 Durometer) 30-40

Weathering:  
(ASTM G 53)  
QUV Chamber Very slight color change; no loss of adhesion; no cracking; no wrinkling or oil exudation

Water Resistance:  
(AAMA 809.2 Non-Drying Sealants) No loss of adhesion; no shrinkage; no caulking

Specifications:

- 1) AAMA 809.2-92
- 2) NAAMM SS-1a-68
- 3) CAN/CGSB 19-GP-21 M87