



TECHNICAL DATA SHEET



PL[®] Acousti-Seal

Vapour Barrier & Sound Reduction Adhesive

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.

Available As:

Item #	Size	Package	Color
1435208	295 ml (10 fl oz)	Paper Cartridge	Black
628822	825 ml (28 fl oz)	Paper Cartridge	Black

Features & Benefits:

- Seals polyethylene to wood or metal framing
- Reduces sound transmission in wall system
- Remains flexible even at extremely low temperatures
- Excellent adhesion to multiple substrates
- Water resistant, even under immersion conditions

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.

Not Recommended For:

- 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.

Coverage:

For a 295 ml (10 fl. oz) cartridge:

- A 6 mm (1/4") bead extrudes approximately 9 m (30.6 ft.)

For a 825 ml (28 fl oz) cartridge:

- A 6 mm (1/4") bead extrudes approximately 26 m (85.5 ft.)



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Typical Uncured Physical Properties:

Color:	Black	
Appearance:	Non-slumping paste	
Base:	Synthetic Rubber	
Solvent:	Solvent (use in well-ventilated area)	
Odor:	Alcohol	
Solids Content:	85% minimum	
Specific Gravity:	1.46	
Flash Point:	40° C (105° F)	
VOC Content:	8.6% by weight	CARB
	125 g/l	SCAQMD rule 1168
Shelf Life:	24 months from date of manufacture (unopened)	
Lot Code Explanation:	PMI – MMY – 1234 PMI = Plant code MM = Month of scheduled manufacture based on 12 months YY = Last two digits of year of manufacture 1234 = Lot number Example: PMI – 0115 - 1234 = January 2015 scheduled date of manufacture	

Typical Application Properties:

Application Temperature:	Apply between 5°C (41°F) and 35°C (95°F)	
Cure Time:	Does not harden, remains permanently tacky	
Hardness:	30 - 40	Shore 00
Sag:	0.15 inches maximum @ 70°C	ASTM D 2202

Typical Cured Performance Properties:

Color:	Black	
Service Temperature:	-40°C (-40°F) to 121°C (250°F)	
Water Resistant:	Yes. No loss of adhesion, no shrinking, no chalking	AAMA 809.2 Non-Drying Sealants
Shrinkage:	20% maximum	
Weathering:	Very slight color change; no loss of adhesion, no cracking, no wrinkling or oil exudation	ASTM G 53, QUV Chamber
Peel Strength:	> 0.5 pli with no loss of bond	
Press Flow Viscosity:	40 seconds maximum	ASTM D 2452 (modified)
Specifications:	<ul style="list-style-type: none">AAMA 809.2CAN/CGSB 19-GP-21 M87	

Directions:

Tools Typically Required:

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

Safety Precautions:

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

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.



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Storage & Disposal: NOT DAMAGED BY FREEZING. For optimal shelf life, store between 4°C to 32°C in a dry place in a tightly closed container. Take unwanted product to an approved household hazardous waste transfer facility.

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 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.



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