



TECHNICAL DATA SHEET

Revision: 09/01/2024
Supersedes: 09/21/2016
Ref. #: 257800

PL® Acousti-Seal Vapour & Sound Barrier Sealant



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 for concealed or unexposed applications. Since this product is non-drying and non-hardening it is normal for the sealant to accumulate dirt, but this will not affect its functionality.

Available as:

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

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

RECOMMENDED FOR

PL Acousti-Seal bonds common vapour barrier films to metal, concrete, masonry, gypsum board, and wood studs.

- **Acoustical Sealant:**
Reduces sound transmission of partition systems. It will effectively increase the Sound Transmission Class (STC) value of the wall partition system when used in accordance with ASTM C 919 Section 8.2.2 for non-drying and non-skinning sealants in acoustical applications.
- **Vapour Barrier Sealant:**
Maintains a positive airtight seal by remaining flexible and adhering to substrates that it is applied on, such as polyethylene vapour barrier films to wood, concrete, and metal.

LIMITATIONS

- Product should only be used in unexposed areas to minimize solvent odour migration.
- 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.
- Not recommend for use on freshly treated lumber. Treated lumber must have been weathered for at least 6 months.
- Not recommend for use around recessed lighting or in areas where heat generation is possible.

COVERAGE

For a 295 mL cartridge:

- A 6 mm (1/4") bead extrudes approximately 9 m (31 ft)

For a 825 mL cartridge:

- A 6 mm (1/4") bead extrudes approximately 26 m (86 ft)



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TECHNICAL DATA

Typical Uncured Physical Properties		Typical Application Properties	
<u>Colour:</u>	Black	<u>Application Temperature:</u>	Apply and cure above 5°C (41°F) and below 35°C (95°F)
<u>Appearance:</u>	Thixotropic solid	<u>Odour:</u>	Strong solvent-like
<u>Base:</u>	Synthetic rubber	<u>Hardness:</u>	30-40 Shore 00
<u>Flash Point:</u>	Product is a solid ASTM D4359	<u>Sag:</u>	3.81 mm @70°C ASTM D 2202
<u>Specific Gravity:</u>	1.4	<u>Cure Time:</u>	Product remains permanently tacky and does not harden
<u>VOC Content:</u>	8.8% by weight CARB 125 g/l SCAQMD rule 1168	<u>Clean Up:</u>	Clean-up uncured adhesive residue with mineral spirits.
<u>Shelf Life:</u>	24 months from the date of manufacture (unopened)		
<u>Lot Code Explanation:</u> PMI - MMYY - 1234 PMI = Ignore MM = Month of manufacture YY = Last two digits of the year of manufacture 1234 = Ignore Example: PMI - 0624 - 1234 = June 2024 is the date of manufacture			

Typical Applied Performance Properties			
<u>Color:</u>	Black	<u>Service Temperature:</u>	-40°C (-40°F) to 121°C (250°F)
<u>Cured form:</u>	Non-flammable solid	<u>Paintable:</u>	No
<u>Water Resistance:</u>	Yes AAMA 809.2	<u>Shrinkage:</u>	20% maximum
<u>Press Flow Viscosity:</u>	40 seconds max. ASTM D2452	<u>Peel Strength:</u>	>0.5 pli with no loss of bond

DIRECTIONS

Tools Typically Required:

Utility knife, caulking gun, tool to puncture cartridge seal.

Safety Precautions:

Use only in unexposed well-ventilated areas. Wear gloves. Wash hands after use.

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 sealant 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 minimum of 8 hours.

Clean-up:

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



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STORAGE & DISPOSAL

Not damaged by freezing. Store away from heat, flame, and sparks in a cool, well-ventilated area. Use an approved hazardous waste facility for disposal. Store product at standard conditions which are defined as $22^{\circ}\text{C} \pm 2^{\circ}\text{C}$ ($72^{\circ}\text{F} \pm 4^{\circ}\text{F}$) and $< 50\%$ relative humidity. After completion of work, seal cartridge nozzle tightly with aluminum foil. Wrap the foil tightly around the nozzle and seal it with tape.

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 Safety Data Sheet (SDS) 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. Henkel recommends purchasers/users should test the products to determine acceptable quality and suitability for the intended use. All adhesive/sealant applications should be tested under simulated or actual end use conditions to ensure the adhesive/sealant meets or exceeds all required project specifications. Since assembly conditions may be critical to adhesive/sealant performance, it is also recommended that testing be performed on specimens assembled under simulated or actual production conditions. 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.

LIMITED WARRANTY

This product is warranted by Henkel Corporation 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. For warranty assistance, contact Henkel at 1.800.624.7767 M-F 9:00 am to 4:00 pm ET.



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