



TECHNICAL DATA SHEET

Revision: 05/09/2025
Supersedes: 04/01/2025
Ref. #: 823784

PL[®] Drywall Foam Construction Adhesive

DESCRIPTION

LEPAGE[®] PL[®] Drywall Foam Construction Adhesive is a high strength, polyurethane-based adhesive formulated for use in drywall installations. It applies as a foam utilizing a non-sag and non-drip formulation. This product helps reduce the quantity of mechanical fasteners required and supports proper air sealing while providing a superior bond.

Available As:

Item #	Package	Size	Colour
2971754	Metal Aerosol Canister	598 g (21.1 fl. oz.)	Off white

FEATURES & BENEFITS

- Strong adhesion – exceeds ASTM C557
- Fast and easy application¹
- Delivers higher yield vs traditional construction adhesives²
- High surface coverage – 1 can adheres up to 24 drywall sheets³
- Non-sag and non-drip formula
- Helps reduce the number of mechanical fasteners needed

RECOMMENDED FOR

LEPAGE PL Drywall Foam Construction Adhesive is designed primarily for bonding drywall panels to metal or wood studs. This product may also be used for laminating gypsum board to gypsum board and bonding gypsum board to OSB, extruded polystyrene, concrete, and cinderblock walls where building codes allow.

LIMITATIONS

- PL Drywall Foam Construction Adhesive is not a fire stopping material and SHOULD NOT be used in areas that require fireproof or fire stopping materials.
- For cold weather use, product should be stored at room temperature for at least 12 hours before application.
- Should not be used on warped boards.
- Not recommended for use in areas of high heat such as around fireplace openings.
- Does not bond polyethylene, polytetrafluoroethylene (PTFE)/Teflon[®] or siliconized surfaces.
- Certain materials such as rubbers and plastics may have bonding difficulties. Test before use.
- Not compatible with bitumen or asphaltic coated surfaces or products.
- Not recommended for use on flexible sheet goods.
- Despite higher UV resistance, exposed product should be covered with a protective covering or coating to prevent UV degradation.

COVERAGE

For a 598 g (21.1 fl. oz.) can, a 12.7 mm (1/2") bead size will deliver approximately 124 m (408 ft) of foam adhesive

Note: Yields shown are based on theoretical calculations, for comparison purposes, and will vary depending on ambient conditions and particular application conditions and particular application

¹ Application time savings based on applying 12.2 m (40 lin. feet) of traditional adhesive compared to 12.2 m of foam adhesive

² One can of PL Drywall Foam Construction Adhesive applied at 12.7 mm bead extrudes approximate amount to 15 – 825 mL cartridges of traditional adhesive applied at 9.5 mm bead. This value is based on theoretical calculations, for comparison purposes, and will vary depending on ambient conditions and particular application conditions and particular application

³ Standard sheet size 1.2 m x 2.4 m



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TECHNICAL DATA

Typical Uncured Physical Properties		Typical Application Properties	
<u>Colour:</u>	Off white	<u>Application Temperature:</u>	Ambient conditions should be between 5°C (41°F) and 35°C (95°F). Can temperature must be between 5°C (41°F) and 30°C (86°F)
<u>Appearance:</u>	Polymer foam	<u>Odour:</u>	Slight ether
<u>Base:</u>	Single component polyurethane	<u>Open Time:</u>	< 5 minutes*
<u>VOC Content:</u>	17.4 % by weight CARB 178 g/l SCAQMD rule 1168	<u>Tack-Free Time:</u>	5 – 7 minutes*
<u>Shelf Life:</u>	18 months from date of manufacture (unopened)	<u>Cure Time:</u>	Approximately 2 hours* Full strength develops over 24 hours
<u>Lot Code Explanation:</u> BEST BY MM/DD/YYYY (bottom of cannister) MM = month, DD = day, YYYY = year Example: BEST BY 10/31/2022 = Product performs best when used by October 31, 2022		<u>Clean Up:</u>	Clean up uncured foam residue with acetone. Scrape away cured sealant using a sharp-edged tool. Follow solvent manufacturer's precautions for using solvents.

*At 23°C (73°F) and 50% relative humidity. Time is dependent upon temperature, humidity, and depth of sealant applied.

Typical Cured Performance Properties			
<u>Colour:</u>	Off white	<u>Service Temperature:</u>	-40°C (-40°F) to 90°C (194°F)
<u>Cured form:</u>	Flexible solid	<u>Sandable:</u>	Yes
<u>Water Resistance:</u>	Yes	<u>Paintable:</u>	Yes
<u>Shear Strength</u>	ASTM C557	<u>Tensile Strength</u>	ASTM C557
24 hours @ RT (20-22°C):	41 psi	24 hours @ RT (20-22°C):	28 psi

DIRECTIONS

Tools Typically Required:

LEPAGE Foam Gun and LEPAGE Foam Clean

Safety Precautions:

Always wear eye protection, gloves and proper work clothes when using PL Drywall Foam Adhesive. Cured foam adhesive is difficult to remove from skin, clothing, and other substrates. When transporting cans by passenger car, leave the container wrapped in a cloth in the trunk, never in the passenger compartment. Maximum temperature should never exceed 49°C (120°F).

Surface Preparation:

Ensure all surfaces are clean, dry, and free from dirt, dust, oil, grease, and other contaminants likely to impair adhesion. Cover surfaces not intended to be foamed.

General Preparation:

The temperature of the working area should be between 5°C (41°F) and 35°C (95°F). The temperature of the product should be between 5°C (41°F) and 30°C (86°F). When working in cold conditions, can should be stored at room temperature for at least 12 hours before use. Shake can vigorously before use for 30 seconds (15-20 times minimum) and intermittently during use.

Gun Application:

To become familiar with product, first test on an experimental surface. Remove plastic cap from the can and screw applicator onto coupling unit until it will go no further. Do not over tighten. Shake can well before use. Adjust bead size with gun regulator screw. With valve end of can down, squeeze trigger to dispense foam adhesive. Dispense the foam sparingly as the extruded bead will expand slightly and when compressed between bonding surfaces will cover the area completely. Adjust the amount of adhesive according to specific application.

Note: The recommended working position of the can is upside-down to guarantee maximal output.



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DIRECTIONS

SPECIAL NOTE: It is the responsibility of the installer to know and follow all Canadian Building codes including but not limited to provincial and local building codes when using this product.

Wood & Metal Studs:

Apply a continuous 9.5 mm (3/8") bead of adhesive to all framing members starting 8 to 10 cm (3-4 inches) from the top and ending 8 to 10 cm (3-4 inches) from the bottom of where each panel is positioned on the stud. Apply two 6 mm (1/4") parallel beads of adhesive on framing members where joints abut. Position gypsum board within a maximum of 3 minutes after application and ensure the entire surface of board is pressed firmly to the stud. Use flat panels only. Do not use warped panels unless they have been pre-bowed. Follow the fastening schedule for Adhesive Nail-on Attachment in the Gypsum Association Manual (GA-216) or applicable local and regional building codes. Perimeter fasten 16" O.C. for walls and ceilings and 24" O.C. in the field of ceiling applications. Field fasteners are not required for wall construction unless walls show evidence of warping. For shear wall construction, field fasteners are required.

Laminating Gypsum Board to Gypsum Board:

Apply a 6 mm (1/4") to 9.5 mm (3/8") zigzag bead of adhesive 30 cm (12") O.C. to the base ply or fixed structure. Position and firmly press panels to the bonding surface. Realignment is possible within 2-5 minutes of application and apply pressure to ensure good contact. Follow recommended fastening schedules for two-ply construction or refer to the Gypsum Association Manual (GA-201) for multi-ply construction. Furring strips are required for single-ply applications to concrete walls, concrete should be cured at least 28 days and free of any release agents prior to using adhesive. Permanent mechanical fasteners are required the same as for applications to wood or metal studs. Field fasteners are recommended.

Note: If idle for more than 10 minutes, shake can 15-20 times before applying foam. If not in use for more than 30 minutes, close gun regulator screw completely to secure trigger.

Changing Foam Cans:

1. It is not recommended to remove the can from the applicator gun before it is totally empty. When replacing the can shake the new can vigorously. Unscrew the empty can and replace it immediately to ensure there is no air left in the gun. If you do not want to replace the can, remove foam adhesive can and clean gun applicator immediately. Hardened foam can only be removed mechanically.
2. Conventional PU insulating foams should not be dispensed from the same gun as the LePage Drywall Foam Adhesive.

Clean-up:

Clean tools and uncured foam adhesive residue immediately with LEPAGE Foam Cleaner or acetone. Cured foam adhesive must be carefully cut away with a sharp-edged tool

STORAGE & DISPOSAL

Product must be stored vertically with valve directed upwards, not horizontally on its side.

Note: When storing gun applicators with foam adhesive cans attached, be sure to store the tool with the can valve pointing downwards. Storing the can upright may cause propellant to leak from the applicator and become inoperative.

Store in a cool, dry place. For maximum performance and shelf life, store between 5°C (41°F) and 25°C (77°F). The product can be stored for a maximum of 1 week at -20°C (-4°F). Do not store below -20°C (-4°F); below this temperature product valve may spontaneously open, resulting in leakage.

Containers are under pressure. Do not expose to open flame or temperatures above 49°C (120°F). Do not store under direct sunlight. Excessive heat can cause bursting and premature aging of components resulting in shorter shelf life. When containers are empty, vent off any excess pressure. DO NOT discard empty can in garbage compactor. DO NOT incinerate. DO NOT puncture, cut, or weld container.

Recommended method of disposal for unused product: Vent off excess pressure and dispose of in appropriate waste receptacle. Dispose of according to provincial and federal governmental regulations.



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LABEL PRECAUTIONS

DANGER! EXTREMELY FLAMMABLE. VAPOR MAY CAUSE FLASH FIRE. VAPOR AND SPRAY MIST HARMFUL. OVEREXPOSURE MAY CAUSE LUNG DAMAGE. MAY CAUSE ALLERGIC RESPIRATORY AND SKIN REACTION. CONTENTS UNDER PRESSURE. CONTAINER MAY EXPLODE IF HEATED. Do not smoke. Do not puncture. Do not burn. Do not get in eyes or on skin or clothing. Do not breathe fumes. Do not swallow. Use only in a well-ventilated area. Keep away from flames, such as a pilot light, and any object that sparks, such as an electric motor. Store away from heat. Do not use if you have chronic lung or breathing problems or if you have ever had a reaction to isocyanates. Wear appropriate respiratory protection for prolonged use. If you have breathing problems during use, leave the area for fresh air. If problems develop or linger, call a physician. **KEEP OUT OF REACH OF CHILDREN.**

FIRST AID TREATMENT: Contains polyurethane prepolymer, methylenediphenyldiisocyanate, dimethylether and hydrocarbon propellant mixture. If swallowed, call Poison Control Center or doctor immediately. Do not induce vomiting. If breathed in, immediately remove the affected person to fresh air. If in eyes, rinse immediately with plenty of water for 15 minutes, and seek immediate medical attention. If on skin, immediately wash skin thoroughly with soap and water. If symptoms develop and persist, get medical attention.

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. For warranty assistance, contact Henkel at 1.800.624.7767 M-F 9:00 am to 4:00 pm ET.



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