



TECHNICAL DATA SHEET



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Item #	Package	Size
1113124	Paper Cartridge	300 mL
1113123	Paper Cartridge	825 mL

DESCRIPTION:

LePage® PL® 300 is a high grab, premium grade foamboard insulation adhesive specially developed for bonding all types of polystyrene and polyurethane insulation materials. LePage® PL® 300 exhibits superior bonding to most common building construction materials and is waterproof. For indoor and outdoor use. Unaffected by water, moisture or temperature fluctuations when fully cured. Will not harm foam board if used as directed.

RECOMMENDED FOR:

Fully compatible with polystyrene and urethane foams, including Styrofoam™ SM, Celfort™ and white Styrofoam. Bonds foam to concrete, wood, brick and drywall. Recommended for cold storage unit construction and for blocking below grade exterior applications with foam. For best results one surface should be porous.

NOT RECOMMENDED FOR:

- Bonding two pieces of Foamboard (one surface should be porous)
- Applications requiring temperature resistance greater than 60°C (140°F)

FEATURES & BENEFITS:

Feature	Benefits
Weather resistant.....	Can be used indoors or outdoors
High grab.....	Minimizes nailing requirements
Gap filling.....	Use on irregular surfaces
Will not harm foam board if used as directed.....	No burn-through or foam board attack

COVERAGE:

For a 300 mL cartridge:

A 6 mm (¼") bead extrudes approximately 9.5 m (31 ft) of adhesive.
A 9.5 mm (3/8") bead extrudes approximately 4.2 m (14 ft) of adhesive.

For a 825 mL cartridge:

A 6 mm (¼") bead extrudes approximately 26 m (85 ft) of adhesive.
A 9.5 mm (3/8") bead extrudes approximately 11.6 m (38 ft) of adhesive.

DIRECTIONS:

Tools Typically Required:

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

Safety Precautions:

Interior applications require ventilation to the outside during application and cure. Wear gloves. Wash hands after use.

Preparation:

The adhesive must be applied and cured between 15°C (59°F) to 32°C (90°F). Surfaces must be clean, dry and free of frost, grease, dust, release agents and other contaminants. Newly poured concrete must be allowed to cure 28 days before adhesive application. To obtain maximum adhesion, sand or roughen painted or smooth surfaces. Remove ridges and other projections to ensure full foam contact. Pre-fit all materials and protect finished surfaces. Cut nozzle at a 45° angle to desired bead size and puncture inner seal.

Application:

Apply a continuous zigzag bead to contacting studs. For flat surfaces, apply a bead 5 cm (2") from the edge and length-wise every 30 cm (12"). For spot application, apply a dab approximately 4 cm (1.5") in diameter every 30 cm (12"). Within 10 minutes of applying the adhesive place the foam against the substrate and press firmly into place to flatten out the adhesive. Remove the foam and allow the adhesive to "breathe" for 2 to 5 minutes. Realign and replace the foam, press it down again to ensure good contact. Mechanical fasteners must be used and kept in place until the adhesive is fully cured. Cure time will vary depending on the porosity of the material used. Support is recommended until adhesive cures. The adhesive must be fully cured before it can be exposed to elevated temperatures.

Drywall application over foam insulation:

Apply a 6.3 mm (1/4") bead of adhesive around entire panel plus the "cutouts" you have made, then space beads in straight lines approximately 30 cm (12") apart, or in a series of "X" patterns. Position drywall, align, vent and press firmly into place. Use nails around entire perimeter and over contacting studs or strapping. It is recommended to brace panels infield for at least 24 hours.

Clean-up

Clean tools and uncured adhesive residue immediately with LePage® Contact Cement Thinner / Cleaner or mineral spirits in a well-ventilated area to the outdoors. Cured adhesive may be carefully cut away with a sharp-edged tool.

STORAGE AND DISPOSAL

NOT DAMAGED BY FREEZING. Store away from heat, flame and spark in a cool, well-ventilated area. Use an approved hazardous waste facility for disposal.

PRECAUTIONS

FUMES MAY CATCH FIRE. Do not smoke. Use only in a well ventilated area. Keep away from flames, such as a pilot light, and any object that sparks, such as an electrical motor. Avoid breathing vapours and contact with eyes and skin. **KEEP OUT OF REACH OF CHILDREN.**

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>	Tan	<u>Application Temperature:</u>	15°C (59°F) to 32°C (90°F)
<u>Appearance:</u>	Thick paste	<u>Open time:</u>	10 minutes
<u>Base:</u>	Synthetic Rubber	<u>Venting (Flashing) time:</u>	2 to 5 minutes
<u>Specific Gravity:</u>	1.10	<u>Cure time:</u>	24 to 48 hours Cure time is dependent upon temperature, humidity, porosity of substrate and amount of adhesive used.
<u>Solids Content:</u>	71.3%		
<u>Flash Point:</u>	-13.3°C (8°F)		
<u>Odour:</u>	Solvent (Use in a well-ventilated area)		
<u>VOC Content:</u>	319 g/L (29% by weight)		
<u>Shelf Life:</u>	18 months from date of manufacture (Unopened)		
<u>Lot Code Explanation:</u>	YYDDD YY = Last two digits of year of manufacture DDD = Day of manufacture based on 365 days in a year For example: 09061 = 61 st day of 2009 = March 2, 2009		
(Lot code is stamped on bottom plunger of cartridge)			

Typical Cured Performance Properties

<u>Colour:</u>	Tan	<u>Sandable:</u>	No
<u>Cured Form:</u>	Non-flammable, rubbery solid	<u>Paintable:</u>	Yes
<u>Service Temperature:</u>	-40°C (-40°F) to 60°C (140°F)	<u>Water Resistance:</u>	Yes