



TECHNICAL DATA SHEET

Revision: February 3, 2021
Supersedes: March 17, 2015
Ref. #: 510409



PL[®] 300 Foamboard Adhesive

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. 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.

Available As:

Item #	Size	Package
1421916	295 ml	Paper Cartridge
1113123	825 ml	Paper Cartridge

Features & Benefits:

- Weather Resistant
- High Grab
- Gap-Filling Capabilities
- No Burn-Through or Foamboard Attack

Recommended For:

LePage PL 300 is 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.

For Best Results:

Not suitable for the following applications:

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

Coverage:

For a 295 ml cartridge:

- A 6 mm (1/4") bead extrudes approximately 9.3 m (31 ft)
- A 9.5 mm (3/8") bead extrudes approximately 4.1 m (13.6 ft)

For a 825 ml cartridge:

- A 6 mm (1/4") bead extrudes approximately 26 m (86 ft)
- A 9.5 mm (3/8") bead extrudes approximately 11.6 m (38 ft)



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Typical Uncured Physical Properties:

Color:	Tan	
Appearance:	Thick paste	
Base:	Synthetic Rubber	
Odor:	Solvent (Use in a well-ventilated area)	
% Solids:	71.3%	
Specific Gravity:	1.12	
Flash Point:	-9°C (15.8°F)	
Viscosity:	200,000 cps	
VOC Content:	18.7% by weight	CARB
	261 g/l	SCAQMD rule 1168
Shelf Life:	18 months from date of manufacture (unopened)	
Lot Code Explanation:	YYDDD	
Stamped on bottom plunger of cartridge	YY= Last two digits of year of manufacture DDD= Day of manufacture based on 365 days in a year Example: 14061 = 61 st day of 2014 = March 2, 2014	

Typical Application Properties:

Application Temperature:	15°C (59°F) to 32°C (90°F)
Open Time:	10 minutes*
Venting (Flashing) Time:	2 to 5 minutes
Cure Time:	24 to 48 hours*
	*Times are dependent on temperature, humidity, porosity of surface bonded and amount of adhesive used

Typical Cured Performance Properties:

Color:	Tan
Cured Form:	Non-flammable, rubbery solid
Service Temperature:	-40°C (-40°F) to 60°C (140°F)
Water Resistant:	Yes
Paintable:	Yes
Sandable:	No

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:

For best results, the adhesive should be applied 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.



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Directions:

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 mineral spirits in a well-ventilated area to the outdoors. Cured adhesive may be carefully cut away with a sharp-edged tool.

Storage & 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.

Label Precautions:

DANGER. POISON. FLAMMABLE. CONTENTS MAY BE HARMFUL. CONTENTS MAY CATCH FIRE. Do not get in eyes or on skin or clothing. Do not smoke. 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 electrical motor. Wear chemical resistant gloves. **KEEP OUT OF REACH OF CHILDREN.**

FIRST AID TREATMENT: Contains petroleum distillates and xylene. If swallowed, call a 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. 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.



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