



TECHNICAL DATA SHEET

Revision: 01/19/2024
Supersedes: 02/03/2021
Ref. #: 510409

PL 300[®] Foamboard Construction Adhesive (825 mL)



DESCRIPTION

LePage[®] PL 300[®] is a high grab, premium grade foamboard insulation adhesive specially developed for bonding most types of polystyrene and polyurethane insulation materials. PL 300 exhibits superior bonding to most common building construction materials and is recommended for both indoor and outdoor use. This adhesive is unaffected by water, moisture, or temperature fluctuations once fully cured. It will not harm foamboard when used as directed.

Available as:

Item #	Package	Size
1113123	Cardboard Cartridge	825 mL

FEATURES & BENEFITS

- Weather resistant
- High initial grab
- Gap filling capability
- Will not attack foamboard or burn through

RECOMMENDED FOR

LePage PL 300 bonds to most types of surfaces including unfaced EPS (expanded polystyrene foam), XPS (extruded polystyrene foam), PUR (polyurethane) foam, and PIR (polyiso/polyisocyanurate) foam, rigid polystyrene, wood, concrete, non-glazed brick, and drywall.

LIMITATIONS

- One bonding surface must be porous. Will not bond two non-porous substrates.
- Not to be used in areas subject to permanent water immersion
- Applications requiring temperature resistance greater than 60°C (140°F)
- Do not use in overhead roofing applications or on metal sidewalls without proper insulation clips.
- Will not bond to filmed faced foam insulation panels or polyethylene vapor barriers.

COVERAGE

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)

TECHNICAL DATA

Typical Uncured Physical Properties		Typical Application Properties	
<u>Color:</u>	Tan	<u>Application Temperature:</u>	Apply and cure above 15°C (59°F) and below 32°C (90°F)
<u>Appearance:</u>	Thixotropic liquid	<u>Odor:</u>	Solvent
<u>Base:</u>	Synthetic rubber	<u>Open Time:</u>	10 minutes*
<u>Flash Point:</u>	-9°C (15.8°F) ASTM D56	<u>Venting (Flashing) Time:</u>	2 - 5 minutes*
<u>Specific Gravity:</u>	1.12	<u>Cure Time**:</u>	24 – 48 hours* at 25°C (78°F) and 50% RH
<u>VOC Content:</u>	18.7% by weight CARB 261 g/l SCAQMD rule 1168		



TECHNICAL DATA SHEET

Revision: 01/19/2024
Supersedes: 02/03/2021
Ref. #: 510409

TECHNICAL DATA

Typical Uncured Physical Properties	Typical Application Properties
<p><u>Shelf Life:</u> 18 months from the date of manufacture (unopened)</p> <p><u>Lot Code Explanation:</u> YYDDD YY = Last two digits of the year of manufacture DDD = Day of manufacture based on 365 days per year Example: 23038 = February 7, 2023 is the date of manufacture</p>	<p><u>Clean Up:</u> Clean up uncured adhesive residue with mineral spirits. Scrape away cured adhesive using a sharp-edged tool.</p>

**Time is dependent upon temperature, humidity, porosity of substrate, and amount of adhesive used.
** Cure time is significantly increased in cold temperatures and/or high humidity conditions*

Typical Cured Performance Properties	
<u>Color:</u> Tan	<u>Service Temperature:</u> -18°C (0°F) to 71°C (160°F)
<u>Cured form:</u> Non-flammable solid	<u>Paintable:</u> Yes, when fully cured
<u>Water Resistance:</u> Yes, when fully cured	

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 when ambient temperature is between 15°C (59°F) and 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 foamboard 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 lengthwise 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 foamboard against the substrate and press firmly into place to flatten out the adhesive. Remove the foamboard and allow the adhesive to "breathe" for 2 to 5 minutes. Realign and replace the foamboard, pressing it down again to ensure good contact. Mechanical fasteners must be used and kept in place until the adhesive is fully cured. Cure times will vary depending on the porosity of the materials used. Support is recommended until adhesive fully 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") intermittent 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 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°C ± 2°C (72°F ± 4°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.



TECHNICAL DATA SHEET

Revision: 01/19/2024
Supersedes: 02/03/2021
Ref. #: 510409

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: 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 the 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.



LePage® Brand is part of the Henkel family of brands. Founded in 1876, Henkel is a global leader in the consumer and industrial businesses. Henkel operates worldwide with leading brands and technologies in three business areas: Laundry & Home Care, Beauty Care and Adhesive Technologies.

Henkel Canada Corporation - Professional & Consumer Adhesives Headquarters - Mississauga, ON L5N 6C3
www.henkelna.com



For Technical Assistance call: 1-800-624-7767 – Mon-Fri 9:00a – 4:00p ET
www.lepage.ca