



PL 300[®] Latex Foamboard Construction Adhesive (295 mL)



DESCRIPTION

LePage[®] PL 300[®] Foamboard Construction Adhesive is a latex, water-based adhesive formulation for bonding most foam insulation panels to a variety of porous construction materials including, but not limited to, wood, gypsum board, and concrete. It is compatible with all “unfaced” foamboard insulation products and will not burn through foam when used as directed.

Available as:

Item #	Package	Size
2943814	Plastic Cartridge	295 mL

FEATURES & BENEFITS

- Weather resistant – great for indoor or outdoor projects
- High initial grab to reduce number of fasteners
- Will bridge minor gaps when bonding irregular surfaces
- Will not attack or burn through foam board
- Low VOC formula

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
- Do not use on polyethylene (PE), polypropylene (PP), polytetrafluoroethylene (PTFE) and acrylic or glazed bonding surfaces such as ceramic tile
- Will not bond to film-faced foam insulation panels or polyethylene vapor barriers
- Do not apply at temperatures lower than 5°C (40°F) or above 38°C (100°F)
- Should not be applied outside if rain is expected within 24 hours
- Not to be used in areas subject to permanent water immersion
- Do not apply to damp surfaces
- Do not use in overhead applications without permanent mechanical fasteners
- Do not use in cold storage units. Not tested for direct or indirect food contact

COVERAGE

For a 295 mL cartridge:

- A 6 mm (1/4”) bead extrudes approximately 9.3 m (30.6 ft)
- A 9.5 mm (3/8”) bead extrudes approximately 4.1 m (13.6 ft)



TECHNICAL DATA SHEET

Revision: 01/19/2024
Supersedes: 02/03/2021
Ref. #: 388775

TECHNICAL DATA

Typical Uncured Physical Properties		Typical Application Properties	
<u>Color:</u>	Light blue	<u>Application Temperature:</u>	Apply and cure above 5°C (40°F) and below 38°C (100°F)
<u>Appearance:</u>	Thixotropic liquid	<u>Odor:</u>	Mild acrylic
<u>Base:</u>	Acrylic latex	<u>Working Time:</u>	20 minutes*
<u>Flash Point:</u>	Not applicable	<u>Cure Time**:</u>	7 days* at 25°C (78°F) and 50% RH
<u>Specific Gravity:</u>	1.224		
<u>VOC Content:</u>	0.1% by weight CARB 35 g/l SCAQMD rule 1168		
<u>Shelf Life:</u>	24 months from the date of manufacture (unopened)		
<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	<u>Clean Up:</u>	Clean up uncured adhesive residue with warm water. Scrape away cured adhesive using a sharp-edged tool.

* 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>	Light blue	<u>Service Temperature:</u>	-17.78°C (0°F) to 77°C (170°F)
<u>Cured form:</u>	Non-flammable solid	<u>Paintable:</u>	Yes, when fully cured
<u>Water Resistance:</u>	Yes, when fully cured	<u>Vertical Sag:</u>	<0.5 inches

DIRECTIONS

Tools Typically Required

Utility knife, caulking gun

Safety Precautions:

Wear gloves. Wash hands after use.

Preparation:

The temperature of the adhesive, bonding surfaces, and working area must be between (5°C) 40°F and (38°C) 100°F. For smooth, fast, easy application during cold weather, store adhesive at room temperature (5°C / 70° ± 5°F) 24 hours prior to use. Ensure surfaces to be bonded are clean, dry, structurally sound, and free of dust, grease, oil, paint, scale, release agents or other contaminants. Release agents must be removed from poured concrete. Newly poured concrete must be allowed to cure at least 28 days prior to adhesive application. Painted surfaces do not provide for a sound bonding surface, therefore testing for adhesion is required prior to the start of the project. To obtain maximum adhesion, surfaces should be flat and close fitting to provide adequate contact. Cut and pre-fit all foam prior to applying product. Cut off tip of cartridge at 45° angle to desired bead size and puncture inner seal of cartridge. Recommended bead size is 9.5 mm (3/8") round.

Application:

Using a caulking gun, apply adhesive as a series of vertical beads 10 inches apart (perimeter gluing is not recommended). Start the beads approximately 1 inch from the panel edge. Immediately after applying the adhesive place the foam against the substrate and press firmly into place to flatten out the adhesive. Be careful not to over press. 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, the humidity, and the temperature at time of application. Low temperatures and high humidity will increase the amount of time required for the adhesive to dry. Bracing is recommended until adhesive is cured. 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 adhesive as outlined above. Position drywall, align and press firmly into place. Nail panel to underlying studs or strapping around entire perimeter. It is recommended to brace the center or field of the panels for at least 24 hours. Mechanical fasteners must be used and kept in place until adhesive is fully cured. Furring strips are recommended on concrete walls.

Clean-up:

Clean tools and uncured adhesive residue immediately with warm water. Cured adhesive may be carefully cut away with a sharp-edged tool.

STORAGE & DISPOSAL

PROTECT FROM FREEZING. For best results, store at 21°C ± 5°C (70° ± 5°F) in a cool, dry place. Store away from heat, flame, and sparks. Take unwanted product to an approved household hazardous waste transfer facility. Hardened material may be disposed of with trash.

LABEL PRECAUTIONS

CAUTION! ATTENTION! Contains crystalline silica. May irritate eyes. May irritate skin. Do not swallow. Do not get on skin or clothing. Do not get in eyes or mouth or on skin. Wear protective gloves and safety glasses. Use only in a well-ventilated area. Handle with care. **KEEP OUT OF THE REACH OF CHILDREN.**

FIRST AID TREATMENT: If swallowed call a Poison Control Centre or doctor immediately. If on clothes remove clothes. If in eyes, rinse well with water for 15 minutes. If on skin, rinse well with water.

Refer to the Safety Data Sheet (SDS) for further information

LIMITED WARRANTY

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.

DISCLAIMER

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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