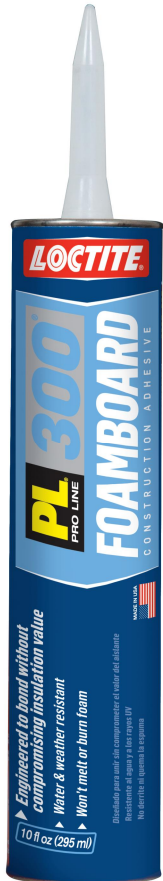




# TECHNICAL DATA SHEET



**Henkel Corporation**  
 Professional and Consumer Adhesives  
 Rocky Hill, CT 06067



Item #	Package	Size
1421941	Paper Cartridge	10 fl. oz.
1421930	Paper Cartridge	28 fl. oz.

## DESCRIPTION

Loctite® PL® 300 Foamboard Construction Adhesive is a premium grade formulation for bonding foamboard insulation to a variety of surfaces, interior or exterior, without compromising the insulation value of the foam. It is a latex-based adhesive especially designed for bonding polystyrene foam to itself or to a variety of construction materials, including, but not limited to: wood, gypsum board, concrete and brick. It is compatible with all foamboard insulation products and won't burn through foam if used as directed. Low VOC formulation meets stringent State and Federal VOC Regulations.

## RECOMMENDED FOR:

Loctite® PL® 300 bonds to all types of surfaces including polystyrene, wood, concrete, brick and drywall.

## LIMITATIONS:

- Do not use on polyethylene (PE), polypropylene (PP), polytetrafluoroethylene (PTFE) and acrylic
- Do not apply at temperatures lower than 40°F (5°C) or above 100°F (38°C)
- Not to be used in areas subject to permanent water immersion
- Should not be applied outside if rain is expected within 12 hours
- Do not apply to damp surfaces
- Not recommended for bonding panels to nonporous surfaces. One surface must be porous.

## FEATURES & BENEFITS:

Feature	Benefits
Foamboard compatible.....	Will not attack or burn through foamboard
Low VOC Formula.....	Meets stringent State and Federal VOC Regulations
Water and Weather Resistant.....	Great for indoor or outdoor projects
Bonds to most building materials.....	Provides a strong, durable bond to multiple surfaces
Gap filling.....	Will bridge minor gaps when bonding irregular surfaces
High Grab.....	Reduces the use of fasteners

## COVERAGE

For a 10 fl. oz. cartridge:

A ¼" (6 mm) bead extrudes approximately 30.6 ft (9.35 m).  
 A 3/8" (9.5 mm) bead extrudes approximately 13.6 ft. (4.1 m).

For a 28 fl. oz. cartridge:

A ¼" (6 mm) bead extrudes approximately 85.8 ft (26.1 m).  
 A 3/8" (9.5 mm) bead extrudes approximately 38.1 ft. (11.6 m).

## DIRECTIONS

### Tools Typically Required:

Utility knife, caulking gun.

### Safety Precautions:

Wear gloves. Wash hands after use.

### Preparation:

The temperature of the adhesive, the surfaces and the working area must be between 40°F (5°C) and 100°F (38°C). For smooth, fast, easy application during cold weather, store adhesive at room temperature (70° ± 5°F) 24 hours prior to use. Ensure surfaces to be bonded are clean, dry, structurally sound and free of dust, grease, oil or other contaminants. 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 3/8" (9.5 mm).

### Application:

Using a caulking gun, apply adhesive as a series of vertical beads 10 inches apart. 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. 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 cures. The adhesive must be fully cured before it can be exposed to elevated temperatures.

### 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 of the panels for at least 24 hours. Mechanical fasteners must be used and kept in place until adhesive is fully cured.

### Clean-up:

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

## STORAGE AND DISPOSAL

PROTECT FROM FREEZING. For best results, store at 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!** Contains crystalline silica. May cause skin and eye irritation. Avoid contact with eyes and skin. Do not swallow.  
**FIRST AID:** If swallowed do not induce vomiting, call a physician or Poison Control center. For eye contact flush with water for 15 minutes. For skin contact wash thoroughly with soap and water. **KEEP OUT OF THE REACH OF CHILDREN.**

**WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

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>Color:</u>	Light Blue	<u>Application Temperature:</u>	Apply and cure between 40°F (5°C) and 100°F (38°C)
<u>Appearance:</u>	Thick, non-sagging paste	<u>Odor:</u>	Mild acrylic
<u>Base:</u>	Acrylic Latex	<u>Working Time:</u>	20 minutes
<u>pH:</u>	7.00-7.50	<u>Full Cure Time:</u>	7 days
<u>Viscosity:</u>	280,000 – 380,000 cps		Cure time depends upon temperature, humidity, porosity of substrate and amount of adhesive used.
<u>Specific Gravity:</u>	1.224		

VOC Content: 1% by weight (< 50 g/L)

Shelf Life: 24 months from date of manufacture  
(unopened)

Lot Code Explanation: YYDDD  
YY = Last two digits of year of  
manufacture  
DDD = Day of manufacture  
based on 365 days in a year

(Lot code is inkjetted  
on body of cartridge)

For example: 13061  
= 61<sup>st</sup> day of 2013  
= March 2, 2013

<b>Typical Cured Performance Properties</b>
---

Color: Light Blue

Cured Form: Non-flammable solid

Service Temperature: 0°F (-17.78°C) to 170°F (77°C)

Water Resistance: Yes, after full cure.

Vertical Sag: < 0.5 inches  
(After 20 minutes)