



# TECHNICAL DATA SHEET



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## DESCRIPTION

PL® 300 Low VOC Foamboard Adhesive is a premium grade formulation for bonding foamboard insulation to a variety of surfaces, interior or exterior. It is compatible with all other foamboard insulation products. PL® 300 VOC 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. Low VOC formulation meets stringent State and Federal VOC Regulations.

## RECOMMENDED FOR:

PL® 300 VOC bonds to all types of surfaces: wood, fiberglass panels, concrete, brick and drywall. It permanently joins foamboard to the substrate without compromising the insulation value of the foam.

## LIMITATIONS:

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

## FEATURES & BENEFITS:

Feature	Benefits
Foamboard compatible.....	Will not attack or burn through foamboard (if used as directed)
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

Item #	Package	Size
862007	Paper Cartridge	10.2 fl. oz.
1300327	Paper Cartridge	28 fl. oz.

## COVERAGE

### For a 10.2 fl. oz. cartridge:

A 1/4" (6 mm) bead extrudes approximately 32 ft (9.5 m).  
A 3/8" (9.5 mm) bead extrudes approximately 14 ft. (4.26 m).

### For a 28 fl. oz. cartridge:

A 1/4" (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:

Interior applications require ventilation to the outside during application and cure. 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. Pre-fit all materials prior to applying product. Mechanical fasteners must be used and kept in place until adhesive is fully cured. 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 horizontal beads 9 to 12 inches apart. Start the beads approximately 1 inch from the panel edge. Within 10 minutes of 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. 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 adhesive as outlined above. Position drywall, align and press firmly into place. It is recommended to brace panels in the field for at least 24 hours. Nail panel to underlying studs or strapping around entire perimeter.

### 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 Ethylene Glycol.** Do not take internally. Use with adequate ventilation. **KEEP OUT OF REACH OF CHILDREN. FIRST AID:** In case of eye or skin contact, flush thoroughly with plenty of water. If swallowed, do NOT induce vomiting. Call physician immediately. If unusual symptoms persist, seek medical attention.

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>Working Time:</u>	20 minutes
<u>Base:</u>	Acrylic Latex	<u>Full Cure Time:</u>	7 days Cure time depends upon temperature, humidity, porosity of substrate and amount of adhesive used.
<u>Odor:</u>	None		
<u>Specific Gravity:</u>	1.533		
<u>VOC Content:</u>	< 22 g/L (1% 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 <sup>st</sup> day of 2009 = March 2, 2009		
(Lot code is inkjetted on body of cartridge)			

## Typical Cured Performance Properties

<u>Color:</u>	Light Blue
<u>Cured Form:</u>	Non-flammable solid
<u>Service Temperature:</u>	0°F (-17.78°C) to 170°F (77°C)
<u>Water Resistance:</u>	Yes, after full cure.
<u>ASTM C 557 Test Results:</u>	
Shear Strength:	
24 hours	34.9 psi (Requirement: > 10 psi)
14 days	44.2 psi (Requirement: > 40 psi)
Tensile Strength:	
24 hours	27.3 psi (Requirement: > 15 psi)
14 days	101.4 psi (Requirement: > 25 psi)
<u>Specifications:</u>	<ul style="list-style-type: none"><li>▪ Meets or exceeds ASTM C 557 specifications</li><li>▪ Conforms to HUD Requirements</li></ul>