



TECHNICAL DATA SHEET



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DESCRIPTION

PL® 300 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 is a rubber-based solvent-dispersed 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, brick and metal.

RECOMMENDED FOR:

PL® 300 bonds to all types of surfaces: wood, fiberglass panels, concrete, brick, metal and drywall. It can also be applied to fresh asphaltic foundation coatings. PL® 300 can be applied over old asphalt waterproofing or damp-proofing foundations if the asphalt is first treated with mineral spirits. Permanently joins foamboard to the substrate without compromising the insulation value of the foam.

LIMITATIONS:

- Do not apply at temperatures lower than 10°F (-12°C) or above 100°F (38°C)
- Do not use to install polystyrene tub surrounds
- When surface temperatures are expected to exceed 90°F (32°C), it is highly recommended to “flash” the adhesive during application
- Polyethylene (PE), polypropylene (PP), polytetrafluoroethylene (PTFE) and acrylic
- Permanent water immersion

FEATURES & BENEFITS:

Feature	Benefits
Foamboard compatible.....	Will not attack or burn through foamboard (if used as directed)
Waterproof and Weather Resistant.....	Great for indoor or outdoor projects
Cold weather gunnable.....	Can be used in temperatures as low as 10°F
Bonds to most building materials.....	Provides a strong, durable bond to multiple surfaces
Gap filling.....	Will bridge minor gaps when bonding irregular surfaces; Reduces squeaking and splitting
High Grab.....	Reduces the use of fasteners

Item #	Package	Size
828474	Paper Cartridge	10.2 fl. oz.
828475	Paper Cartridge	28 fl. oz.

COVERAGE

For a 10.2 fl. oz. cartridge:

- A ¼” (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 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:

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 10°F (-12°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 around the entire panel, plus the "cutouts" you have made, then space beads in a straight line or a series of "X" patterns, approximately 12" apart. 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. After use, wipe off nozzle tip and recap immediately.

Drywall application over foam insulation:

Apply a 1/4" bead of adhesive around entire panel plus the "cutouts" you have made, then space beads in straight lines approximately 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 acetone or mineral spirits in a well-ventilated area to the outdoors. Cured adhesive may be carefully cut away with a sharp-edged tool.

STORAGE AND DISPOSAL

Not damaged by 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

DANGER! EXTREMELY FLAMMABLE. Contains Hydrotreated Naphtha. Keep away from heat, sparks and open flame. Vapors may ignite explosively. DO NOT smoke. Extinguish all flames, burners, stoves, heaters and pilot lights and disconnect all electrical motors and appliances before use and until all vapors are gone. Prevent build-up of vapor by opening all windows and doors to achieve cross-ventilation. May cause eye, skin and respiratory irritation. May cause central nervous system effects including dizziness, headache or nausea. Avoid contact with skin, eyes and clothing. Avoid breathing vapors. **KEEP OUT OF REACH OF CHILDREN. Warning!** Contains materials listed by the state of California as known to cause cancer. **FIRST AID:** In case of skin contact, wash off quickly with plenty of water, then soap and water. If in eyes, flush thoroughly with plenty of water for 15 minutes, seek medical attention. If swallowed, seek immediate medical attention. If inhalation causes physical discomfort, remove to fresh air. If discomfort persists or any breathing difficulty occurs, seek immediate 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 10°F (-12°C) and 100°F (38°C)
<u>Appearance:</u>	Thick, non-sagging paste	<u>Working Time:</u>	20 minutes
<u>Base:</u>	Synthetic rubber and resins	<u>Full Cure Time:</u>	7 days Cure time depends upon temperature, humidity, porosity of substrate and amount of adhesive used.
<u>Odor:</u>	Solvent		
<u>Specific Gravity:</u>	1.366		
<u>Flash Point:</u>	2°F (-16.67°C)		
<u>VOC Content:</u>	280 g/L (19% 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 (Lot code is stamped on bottom plunger of cartridge)		
	For example: 09061 = 61 st day of 2009 = March 2, 2009		

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 150°F (66°C)
<u>Water Resistance:</u>	Yes
<u>Specifications:</u>	<ul style="list-style-type: none">▪ Meets or exceeds ASTM C 557 specifications▪ Conforms to HUD Requirements