



PL® 100 Drywall Construction Adhesive

Description: Loctite® PL® 100 Drywall Construction Adhesive is a specially formulated, premium grade adhesive for all drywall applications. It provides a solid, permanent bond for gypsum drywall and plasterboard to wood or metal studs, framing members, existing walls and ceiling or masonry.

Available As:

Item #	Size	Package
1650980	28 fl oz (828 ml)	Paper Cartridge

Features & Benefits:

- Rapid Bond Development Reduces Need for Fasteners
- Bridges Minor Gaps in Framing
- Bonds to Most Drywall Materials
- Low Odor, Easy Clean-Up
- Low VOC Content

Recommended For:

PL® 100 is best suited for bonding gypsum board to wood or metal studs, laminating gypsum board to gypsum board and bonding gypsum board to concrete, block walls or ceilings. It is widely used in new construction of single-family and multi-family homes, manufactured housing, commercial construction and all remodeling, remedial and renovation projects where drywall or gypsum products are installed.

For Best Results:

Not recommended for the following applications:

- Bonding two non-porous surfaces
- Warped boards
- Applications requiring temperature resistance greater than 160°F (71°C)
- Exterior applications
- Use on mirrors and metals that will corrode
- Bonding polyethylene, polypropylene, nylon or PTFE/Teflon®
- Use on Cement Board (Durock®)

Coverage:

For a 28 fl. oz. (828 mL) cartridge:

- A 1/4" (6 mm) bead extrudes approximately 86 ft. (26 m)
- A 3/8" (9.5 mm) bead extrudes approximately 38 ft. (12 m)



TECHNICAL DATA SHEET

Typical Uncured Physical Properties:

Color:	Tan	
Appearance:	Thick paste	
Base:	Acrylic	
Odor:	Mild acrylic odor	
Specific Gravity:	1.224	
Viscosity:	225,000 to 325,000 cps	
% Solids by Weight:	70%	
VOC Content:	<0.1% by weight	CARB
	49 g/l	SCAQMD rule 1168
Shelf Life:	24 months from date of manufacture (unopened)	
Lot Code Explanation:	YYDDD	
Printed on plastic nozzle or bottom plunger of cartridge	YY = Last two digits of year of manufacture DDD = Day of manufacture based on 365 days in a year Example: 14061 = 61 st day of 2014 = March 2, 2014	

Typical Application Properties:

Application Temperature:	Apply between 40°F (4°C) and 100°F (38°C) For best results, use at 70°F (21°C)
Open Time:	60 minutes* At 70°F and 50% relative humidity
Repositioning Time:	15 minutes*
Cure Time:	48 hours* *Time is dependent on temperature, humidity, porosity of substrate and amount of adhesive applied
Extrusion Force:	30 lbf At 73°F
Vertical Sag:	0.05 inches ASTM C639

Typical Cured Performance Properties:

Color:	Tan
Cured Form:	Non-flammable solid
Service Temperature:	10°F (-12°C) to 160°F (71°C)
Water Resistant:	Yes. Do not use outdoors if rain is expected within 24 hours
Shear Strength:	ASTM C557
24 hours @ 73°F:	26.3 psi
14 days @ 73°F:	42.3 psi
Tensile Strength:	ASTM C557
24 hours @ 73°F:	18.3 psi
14 days @ 73°F:	27.5 psi
Specifications:	<ul style="list-style-type: none">• Tested per ASTM E72 – Racking Load Evaluation of Sheathing Materials on a Standard Wood Frame• Meets the performance requirements of ASTM C557• Complies to the following VOC regulations:<ul style="list-style-type: none">○ SCAQMD Rule 1168 VOC○ CARB○ BAAQMD



TECHNICAL DATA SHEET

Directions:

Tools Typically Required:

Utility knife, caulking gun and tool to puncture inside seal of cartridge.

Safety Precautions:

Wear gloves. Wash hands after use.

Preparation:

The temperature of the product, the surfaces and the working area must be above 40°F (4°C) and below 100°F (38°C). For best performance, apply adhesive at 70°F (21°C). Ensure surfaces to be bonded are clean, dry, structurally sound and free of dust, grease, oil, and other foreign contaminants. Pre-cut and fit materials before applying adhesive. Cut off tip of cartridge in an "X" cutting method, cutting both sides of the nozzle. Puncture inside seal of cartridge.

Application:

Using a caulking gun, apply adhesive to framing or face of base layer directly over framing members using a continuous ¼" (6 mm) to 3/8" (9.5 mm) round bead size. Apply a continuous serpentine ¼" bead of adhesive with 8" crests on framing members where joints abut. Position gypsum board and press firmly in place. Use permanent fasteners as follows:

Walls: 16" O.C. along the horizontal edges, 24" O.C. in the field.

Ceilings: Apply drywall panels perpendicular to framing. Fasten 16" O.C. butt ends and fasten at each framing member along the center and edges of each panel. Field fasteners are required 24" O.C. in addition to perimeter fasteners.

Do not use warped panels unless they have been pre-bowed. Join surfaces together within 60 minutes of application. If work is delayed, remove excess adhesive and begin again. Note: Actual cure time will vary depending upon ambient conditions at the time of application.

Clean-up:

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

Storage & Disposal:

DAMAGED BY FREEZING. Store in a cool, dry place at room temperature. For maximum shelf life store at 75°F (24°C). 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 and crystalline silica. May cause skin, eye and respiratory irritation. Avoid contact with eyes and skin. Use with adequate ventilation. 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. If affected by vapors, get fresh air. **KEEP OUT OF THE REACH OF CHILDREN.**

WARNING: This product contains chemicals known to the State of California to cause cancer.

Refer to 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. 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.



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1-800-624-7767 – Mon-Fri - 9:00a – 4:00p ET

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