LOCTITE TECHNICAL DATA SHEET



PL® 200 Projects Construction Adhesive

Description: Loctite® PL® 200 Projects Construction Adhesive is a premium grade adhesive for paneling, drywall and other light construction projects, inside or outside. Its low VOC formulation meets stringent State and Federal VOC Regulations.

Available As:

Item #	Size	Package
1390603	10 fl oz (295 ml)	Paper Cartridge
1390602	28 fl oz (828 ml)	Paper Cartridge

Features & Benefits:

- Rapid Bond Development
- Bridges Minor Gaps in Framing
- Bonds to Most Building Materials
- Low Odor, Easy Clean-Up
- Low VOC Content

Recommended For:

Loctite® PL® 200 Projects Construction Adhesive features a strong, flexible bond, formulated for use on drywall, wood paneling and wood or metal studs. Can be used to bond drywall to: wood, metal studs, concrete or block walls, drywall laminations or paneling and FRP.

For Best Results:

Not recommended for the following applications:

- Bonding panels to metal, plastic, sealed concrete, ceramic tile, painted surfaces and other non-porous substrates
- Application to damp surfaces
- Underwater applications or permanent water immersion
- Applications requiring temperature resistance greater than 160°F (71°C)
- Exterior applications where rain is expected within 24 hours
- Use on mirrors and metals that will corrode
- Bonding polyethylene, polypropylene, nylon or PTFE/Teflon®
- Use on Cement Board (Durock®)

Coverage:

For a 10 fl. oz. (295 ml) cartridge:

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

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)

Typical Uncured Physical Properties:

Color:	Off-White	
Appearance:	Thick paste	
Base:	Poly Vinyl Acetate (PVA)	
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 = 61st 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:	Off-White	
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: 14 days @ 73°F:	26.3 psi 42.3 psi	
Tensile Strength:		ASTM C557
24 hours @ 73°F: 14 days @ 73°F:	18.3 psi 27.5 psi	
Specifications:	• 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: o SCAQMD Rule 1168 VOC o CARB o BAAQMD	

Directions:

Tools Typically Required:
Utility knife, caulking gun and tool to puncture inside seal of cartridge.

Safety Precautions:
Interior applications require ventilation to the outside during application and cure. 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 a continuous bead of adhesive to all furring strips, studs and top and bottom plates. Position pre-fitted panels. Follow the nailing schedule for adhesives nail-on attachment per the Gypsum Association Manual. If installing panels to drywall, apply adhesive in a zigzag pattern within 1 inch of vertical edges on each side and two vertical beads in the panel centre, 16" apart. Use mechanical fasteners at top and bottom to hold panel in place. Warped or bowed panels should not be used.

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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For over 50 years, Loctite Brand adhesives and sealants have taken on the toughest jobs. Used in race cars, airplanes, and even in the space-shuttle, Loctite provides solutions for the most demanding industrial, professional and consumer applications. Loctite gives you not the specialization, power and performance to not only get your job done, but to get it done right.

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