



TECHNICAL DATA SHEET



PL® 200 Projects Construction Adhesive

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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.

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.

NOT RECOMMENDED FOR:

- 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 170°F (77°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®)

FEATURES & BENEFITS:

Feature	Benefits
Ultra low VOC content.....	Meets stringent State and Federal VOC requirements
Water-based adhesive.....	Non-flammable and environmentally friendly
Low odor.....	Great for indoor projects – no strong solvent odor
Bonds to most building materials.....	Provides a strong, durable bond to multiple surfaces
Gap filling.....	Will bridge minor gaps when bonding irregular surfaces
Easy cleanup with water (uncured adhesive).....	Eliminates the use of harsh cleaning chemicals
High Grab.....	Reduces nailing and fastener requirements by up to 50%



Item #	Package	Size
1390603	Paper Cartridge	10 fl. oz.
1390602	Paper Cartridge	28 fl. oz.

COVERAGE

For a 10 fl. oz. cartridge:

A ¼" (6 mm) bead extrudes approximately 30.6 ft (935 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:

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 AND DISPOSAL

DAMAGED BY FREEZING. Store in a cool, dry location 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 REACH OF CHILDREN.**

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

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>	Off-White	<u>Application Temperature:</u>	40°F (4°C) to 100°F (38°C)
<u>Appearance:</u>	Thick paste	<u>Odor:</u>	Mild acrylic odor
<u>Base:</u>	Acrylic	<u>Repositioning Time:</u>	20 minutes @ 70°F, 50% Relative Humidity
<u>Specific Gravity:</u>	1.224	<u>Cure Time:</u>	48 hours Note: Cure time depends upon temperature, humidity, porosity of substrate and amount of adhesive used.
<u>Solids Content:</u>	70% by weight		
<u>VOC Content:</u>	0.1% by weight (< 2 g/L)		

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

Lot Code Explanation: YYDDD
(Lot code stamped on bottom plunger of cartridge)
YY = Last two digits of year of manufacture
DDD = Day of manufacture based on 365 days in a year

For example: 13061
= 61st day of 2013
= March 2, 2013

Typical Cured Performance Properties

Color: Off-White

Cured Form: Non-flammable solid

Service Temperature: 10°F (-12°C) to 170°F (77°C)

Water Resistant: Yes, the adhesive is water-resistant once fully cured. Do not use outdoors if rain is expected within 24 hours.

ASTM C 557 - Shear Strength Results:
(Plywood to Drywall Paper Backing)

Ref. # 10.1.4: 24 hours @ 73°F: 26.3 psi (Requirement: > 10 psi)
Ref. # 10.1.5: 14 days @ 73°F: 42.3 psi (Requirement: > 40 psi)

ASTM C 557 – Tensile Strength Results:
(Douglas Fir to Drywall Paper Backing)

Ref. # 10.2.3: 24 hours @ 73°F: 18.3 psi (Requirement: >15 psi)
Ref. # 10.2.4: 14 days @ 73°F: 27.5 psi (Requirement: > 25 psi)

ASTM D 3498 - Dry Lumber Bonding:
(Douglas Fir to Douglas Fir Plywood)

24 hours: 387 ± 46 psi
48 hours: 519 ± 46 psi
7 days: 613 ± 43 psi
28 days: 570 ± 59 psi (Requirement: > 150 psi)

ASTM D 3498 - Gap Filling @ 0.06 inches:
(Douglas Fir to Douglas Fir Plywood)

440 ± 40 psi (Requirement: > 100 psi)

Specifications:

- Tested per ASTM E 72 – Racking Load Evaluation of Sheathing Materials on a Standard Wood Frame
- Conforms to the performance characteristics of ASTM C 557
- Complies to the following VOC regulations:
 - SCAQMD Rule # 1168
 - CARB
 - BAAQMD