Loctite 1390603

Loctite PL200 Projects Construction Adhesive User Manual

Model: 1390603 | Brand: Loctite

1. Introduction

Loctite PL200 Projects Construction Adhesive is a versatile, professional-grade adhesive designed for a wide range of light construction jobs. It is suitable for both interior and exterior applications, creating a strong, long-lasting bond on most common building materials. This adhesive is formulated to be low in odor and ultra-low in VOC content, meeting stringent regulatory requirements.

Key features include:

- **Premium Grade:** High-grab adhesive ideal for paneling, drywall, and light construction.
- **Versatile Use:** Bonds to wood, metal studs, concrete or block walls, drywall laminations, paneling, and FRP.
- **Gap Bridging:** Capable of bridging minor gaps on irregular surfaces.
- **Eco-Friendly:** Low odor, non-flammable, and ultra-low VOC content.
- **Efficient:** Reduces the need for harsh cleaning chemicals and minimizes nail and fastener usage.



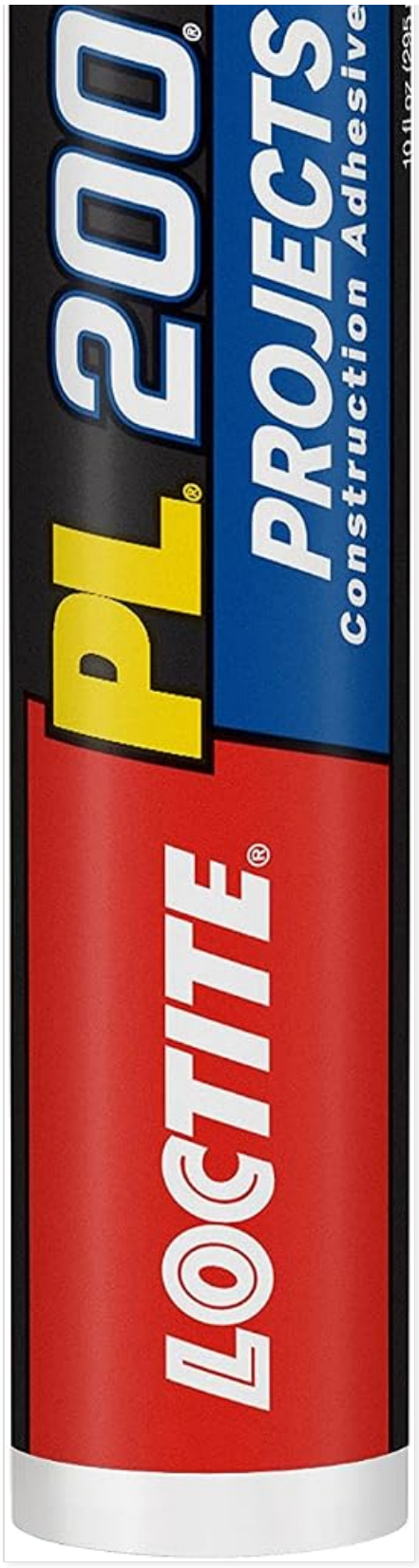


Figure 1: Loctite PL200 Projects Construction Adhesive in a 10 fl oz cartridge.

This manual provides detailed instructions for the safe and effective use of Loctite PL200 Projects Construction Adhesive.

2. Setup and Preparation

Proper preparation is crucial for optimal adhesive performance.

2.1 Surface Preparation

- Ensure all surfaces are clean, dry, and free from dust, grease, oil, and loose debris.

- For best results, surfaces should be structurally sound.
- Pre-fit all materials to ensure proper alignment before applying adhesive.

2.2 Cartridge Preparation

1. **Cut Tip:** Cut the nozzle tip at a 45-degree angle to the desired bead size. A smaller cut will produce a finer bead, while a larger cut will produce a thicker bead.
2. **Puncture Seal:** Puncture the inner foil seal at the base of the nozzle using a long nail or the rod on your caulk gun. Ensure the seal is fully broken to allow for smooth adhesive flow.
3. **Load into Caulk Gun:** Insert the prepared cartridge into a standard caulk gun.



Figure 2: Steps for preparing the adhesive cartridge and applying with a caulk gun.

3. Operating (Application)

Follow these steps for effective application of Loctite PL200 Projects Construction Adhesive.

3.1 Application Procedure

1. **Apply Adhesive:** Apply a continuous bead of adhesive to one of the surfaces to be bonded. For larger areas, apply in a serpentine or zigzag pattern.
2. **Position Materials:** Bring the surfaces together and press firmly within 20 minutes of adhesive application. This allows for proper transfer and initial grab.
3. **Secure Bond:** For best results, materials should be held in place or mechanically fastened until the adhesive

achieves sufficient strength.

3.2 Cure Times

- **Working Time:** Approximately 20 minutes after application.
- **Full Cure:** The adhesive achieves full cure in 48 hours under normal conditions (70°F / 21°C and 50% relative humidity). Curing time may vary with temperature, humidity, and substrate porosity.

3.3 Suitable Materials

Loctite PL200 is effective on a variety of materials, including:

- Drywall
- Wood Paneling
- Concrete
- Metal Studs
- Block Walls
- FRP (Fiberglass Reinforced Plastic)



Figure 3: Loctite PL200 is suitable for use on drywall, wood paneling, and concrete.



Figure 4: Benefits of Loctite PL200 include strong durable bonds, gap bridging, and reduced fastener usage.

4. Maintenance and Cleanup

Proper cleanup and storage ensure the longevity of your tools and product.

4.1 Cleanup

- **Wet Adhesive:** Clean up wet or uncured adhesive immediately with water.
- **Cured Adhesive:** Cured adhesive must be removed mechanically (e.g., scraping, sanding).
- Clean tools and hands with soap and water before the adhesive dries.

4.2 Storage

- Store unused adhesive in a cool, dry place, away from direct sunlight and extreme temperatures.
- Ensure the cartridge tip is sealed tightly to prevent air exposure and premature curing.

5. Troubleshooting

If you encounter issues while using Loctite PL200, consider the following common problems and solutions:

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Adhesive not curing or slow to cure	Low temperature, high humidity, or insufficient air circulation.	Ensure application is within recommended temperature range (typically above 40°F / 4°C). Allow for adequate ventilation.
Poor bond strength	Improper surface preparation (dust, grease), insufficient adhesive applied, or materials not pressed together within working time.	Clean surfaces thoroughly. Apply a sufficient bead of adhesive. Press materials firmly together within 20 minutes. Ensure full cure time is allowed before stressing the bond.
Adhesive difficult to dispense	Nozzle tip cut too small, inner seal not fully punctured, or adhesive has partially cured in the nozzle.	Cut nozzle tip larger. Ensure inner seal is completely punctured. Replace nozzle or clear obstruction if partially cured.

6. Specifications

Detailed technical specifications for Loctite PL200 Projects Construction Adhesive:

Specification	Value
Brand	Loctite
Model Number	1390603
Item Volume	10 Fluid Ounces
Item Form	Liquid
Color	Off-white
Specific Uses For Product	Construction bonding
Material Compatibility	Wood, Metal Studs, Concrete, Block Walls, Drywall, Paneling, FRP
Full Cure Time	48 Hours
Water Resistance Level	Water Resistant
Tensile Strength	167 PSI
Viscosity	Thick
Item Weight	13.8 ounces
Product Dimensions	1.96 x 1.96 x 11.25 inches
Manufacturer	Henkel Corporation
UPC	079340686465

7. Safety Information

WARNING: This product can expose you to chemicals including crystalline silica, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Always read the product label and Safety Data Sheet (SDS) before use for complete safety information. Use in a well-

ventilated area. Avoid contact with skin and eyes. In case of contact, rinse thoroughly with water. Keep out of reach of children.

8. Warranty and Support

For specific warranty information regarding Loctite PL200 Projects Construction Adhesive, please refer to the product packaging or contact Loctite customer service directly. Loctite stands behind the quality of its products.

If you require further assistance, technical support, or have questions not covered in this manual, please visit the official Loctite website or contact their customer support line. Contact information can typically be found on the product packaging or the manufacturer's website.

Visit the Loctite Store on Amazon for more product information.

© 2024 Loctite. All rights reserved.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question