



PL® 505 Paneling & Trim Construction Adhesive

Description: Loctite® PL® 505 Paneling & Trim Adhesive is a premium quality adhesive formulated specifically for bonding all types of paneling and molding to a wide variety of building materials. Its innovative formula can be used in high moisture areas and will not bleed through panels. Low VOC formula meets stringent State and Federal requirements.

Available As:

Item #	Size	Package
1402262	10 fl oz (295 ml)	Paper Cartridge

Features & Benefits:

- Won't Bleed Through Panels
- 25 Minute Repositioning Time
- Low Odor, Easy Clean-Up
- High Grab
- Will Bridge Minor Gaps

Recommended For:

Loctite PL 505 adheres to all types of paneling and trim including ABS, FRP and polystyrene panels. Also bonds drywall, molding, corkboard, rigid PVC and hardboard to wood, stainless steel, glass, cork, foamboard, ceramics, plaster, stone, brick, concrete, chip board and PVC (rigid plastic). One surface must be porous.

For Best Results:

Not recommended for the following applications:

- Use in temperatures below 50°F (10°C) or above 100°F (38°C)
- Metals that will corrode
- Two non-porous surfaces
- Polyethylene, polypropylene, nylon or Teflon®/ polytetrafluoroethylene (PTFE)
- Use on extremely thin panels, thin wood or warped panels
- Bonding 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)



TECHNICAL DATA SHEET

Typical Uncured Physical Properties:

Color:	Off-White	
Appearance:	Thick paste	
Base:	Water-based	
Odor:	Mild acrylic odor	
Specific Gravity:	1.44	
Viscosity:	200,000 to 300,000 cps	
pH:	7.0 to 7.5	
VOC Content:	0.04% by weight	VOC Content:
	33.7 g/l	
Shelf Life:	18 months from date of manufacture (unopened)	
Lot Code Explanation:	YYDDD	
Printed on cartridge body	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 and cure between 50°F (10°C) and 90°F (32°C)	
Open Time:	60 minutes*	At 78°F and 50% relative humidity
Repositioning Time:	30 minutes*	At 78°F and 50% relative humidity
Cure Time:	1 to 7 days*	At 78°F and 50% relative humidity
	*Time is dependent on temperature, humidity, porosity of substrate and amount of adhesive applied	

Typical Cured Performance Properties:

Color:	Off-White	
Cured Form:	Non-flammable, rubbery solid	
Service Temperature:	20°F (-7°C) to 180°F (82°C)	
Water Resistant:	Yes	
Shear Strength : FRP to Wood:	200 psi	5 day cure

Directions:

Tools Typically Required:

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

Safety Precautions:

Wear gloves.

Preparation:

The temperature of the adhesive, the surfaces and the working area must be above 50°F (10°C). One surface must be porous. Surfaces must be clean, dry and free of frost, grease, dust and other contaminants. To obtain maximum adhesion, surfaces should be flat to provide adequate contact. Painted surfaces must be well cured and free of loose paint. Sand glossy surfaces to a dull finish. Concrete walls must be well cured, dry and free of any release agents. Cut and pre-fit panels to be bonded. Place cartridge in a caulking gun and cut the nozzle at a 45° angle to desired bead size. Puncture inner seal.

Application:

Using a caulking gun, apply adhesive in beads around the perimeter of the panel 2" (5 cm) in from the edge and vertically every 6" (15 cm). Alternatively apply a continuous bead to all furring strips, studs and top and bottom plates. Press firmly into place within 10 minutes of adhesive application. Apply firm pressure across the entire panel surface. Fasten or brace panels using clamps or other means of support to ensure maximum contact for 24 hours or until fully cured. Cure time is dependent upon temperature, humidity and amount of adhesive used. Finishing nails are required for materials that may warp such as thin wood molding and trim.

Clean-up:

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



TECHNICAL DATA SHEET

Storage & Disposal:

DAMAGED BY FREEZING. Store in a dry place at 70°F (21°C). Take unwanted product to an approved household hazardous waste transfer facility, or allow product to harden by spreading on newspapers. 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 immediately. For eye contact flush with water for 15 minutes, call a physician. For skin contact wash thoroughly with soap and water. If overcome 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 and birth defects or other reproductive harm.

Refer to the 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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