



TECHNICAL DATA SHEET



PL® 505 Paneling & Trim Construction Adhesive

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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.

RECOMMENDED FOR:

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.

NOT RECOMMENDED FOR:

- Use in temperatures below 50°F (10°C) or above 100°F (38°C)
- Bonding cement board (Durock®)
- 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

FEATURES & BENEFITS:

Feature	Benefits
Water-based adhesive.....	Ultra low VOC content, low odor, easy soap and water clean-up
Gap filling.....	Use on irregular surfaces
Foam board compatible.....	Will not etch or burn foam board; No venting or flashing required
High grab.....	Minimizes slippage of panels
25 minutes repositioning time.....	Longer open time allows for correction of misaligned material



Item #	Package	Size
1402262	Paper Cartridge	10 fl. oz.

COVERAGE

For a 10 fl. oz. cartridge:

A ¼" (6 mm) bead extrudes approximately 30.6 ft (9.35 m).
A 3/8" (9.5 mm) bead extrudes approximately 13.6 ft. (4.1 m).

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 the Loctite® PL® 505 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.

STORAGE AND 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. Hardened material may be disposed of with trash.

LABEL PRECAUTIONS

CAUTION! Contains ethylene glycol and crystalline silica. May cause eye, skin 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>	Cream	<u>Application Temperature:</u>	Apply above 50°F (10°C) and below 100°F (38°C)
<u>Appearance:</u>	Thick paste	<u>Odor:</u>	Mild acrylic odor
<u>Base:</u>	Water-based	<u>Open Time:</u>	25 minutes @ 70°F (21°C) and 50% Relative Humidity
<u>Specific Gravity:</u>	1.44	<u>Dry time:</u>	1 to 7 days Cure time is dependent upon temperature, humidity and the amount of adhesive used.
<u>VOC Content:</u>	< 0.2% by weight (< 2 g/L)		
<u>Shelf Life:</u>	18 months from date of manufacture (unopened)		
<u>Lot Code Explanation:</u>	YYDDD YY = Last two digits of Year of Manufacture DDD = Day of Manufacture based on 365 days in a year		
(Lot code printed on body of cartridge)	For example: 13061 = 61 st day of 2013 = March 2, 2013		

Typical Cured Performance Properties

<u>Color:</u>	Cream	<u>Service Temperature:</u>	20°F (-7°C) to 180°F (82°C)
<u>Cured Form:</u>	Non-flammable, rubbery solid	<u>Water Resistance:</u>	Yes
<u>Shear Strength:</u> FRP to Wood (5 days):	200 psi		