



TECHNICAL DATA SHEET



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DESCRIPTION

Loctite® PL® 375™ Heavy Duty Construction Adhesive is a versatile premium grade solvent-based adhesive for more demanding construction jobs. Provides a professional strength bond with exceptional holding power for a wide variety of building materials. It is tough, long lasting and moisture resistant. Bridges irregularities on uneven surfaces. For indoor and outdoor use.

RECOMMENDED FOR:

Bonds to a large variety of building materials including wood, concrete, brick, drywall, metal, fiberglass panel, wallboard, and cork. Use for installing sub-floors, metal and wood studs or strapping to concrete, wood furring strips to concrete floors for carpet installation, mounting paneling and much more.

NOT RECOMMENDED FOR:

- Polyethylene (PE), polypropylene (PP), polytetrafluoroethylene (PTFE) and acrylic
- Unlined expanded or extruded polystyrene plastic foams
- Permanent water immersion
- Applications requiring temperature resistance greater than 160°F (71°C)
- Mirrors, tub and shower surrounds

FEATURES & BENEFITS:

Feature	Benefits
Waterproof and Weather Resistant.....	Great for indoor or outdoor projects
Cold weather gunnable.....	Eliminates "roll-up" on frozen lumber
Meets and exceeds APA AFG-01 specs.....	Can be applied directly to dry, wet or frozen lumber
Bonds to most building materials.....	Provides a strong, durable bond to multiple surfaces
Gap filling.....	Will bridge minor gaps when bonding irregular surfaces; Helps eliminate squeaky floors

Item #	Package	Size
1410944	Paper Cartridge	10 fl. oz.
1432215	Paper Cartridge	28 fl. oz.

COVERAGE

For a 10 fl. oz. cartridge:

A 1/4" (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).

For a 28 fl. oz. cartridge:

A 1/4" (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:

Wear gloves. Interior applications require ventilation to the outside during application and cure. Wash hands after use.

Preparation:

The temperature of the adhesive, the surfaces and the working area must be between 0°F (-18°C) and 100°F (38°C). For smooth, fast, easy application during cold weather, store adhesive at room temperature (70°F ± 5°F) 24 hours prior to use. Ensure surfaces to be bonded are clean, dry, structurally sound and free of dust, grease, oil or other contaminants. To increase adhesion, sand glossy surfaces to a dull finish. Pre-fit all materials prior to applying product. Cut off tip of cartridge at 45° angle to desired bead size and puncture inner seal.

Application:

Using a caulking gun, apply adhesive to one of the surfaces to be bonded. Press materials firmly together. Repositioning time is approximately 15 minutes. After use, wipe off nozzle tip and recap immediately. If work is delayed, remove adhesive and reapply.

Sub-Floor and Decking:

Apply continuous beads (1/4" to 3/8") of adhesive to all floor joists. For tongue and groove panels, apply 1/4" beads to groove avoiding excess "squeeze-out." Position panels allowing 1/8" gap for expansion at butt joints and nail within 15 minutes after adhesive application. Use proper nailing method as designated by APA Adhesive Nail-On Schedule.

Pre-finished Panels:

Apply continuous beads of adhesive to studs or furring strips. For wall surfaces, prepare surface accordingly and apply continuous parallel beads 12" - 16" O.C. Position panel and press firmly into place. Use finishing nails or mechanical fasteners along top and bottom edges to hold panels in place. Temporary blocking of panels may be necessary until adhesive sets.

Drywall:

Apply adhesive in same manner as detailed in paneling directions. Permanent mechanical fasteners are required 16" O.C. around perimeter of panels. Field fasteners may be required if gypsum board shows evidence of warping. Note: Field fasteners are required 24" O.C. for all ceiling applications in addition to perimeter fasteners when using adhesives.

Clean-up:

Clean tools and uncured adhesive residue immediately with acetone or mineral spirits in a well-ventilated area to the outdoors. Cured adhesive may be carefully cut away with a sharp-edged tool.

STORAGE AND DISPOSAL

Not damaged by freezing. For best results, store at 70° ± 5°F in a cool, dry place. Store away from heat, flame and sparks. Take unwanted product to an approved household hazardous waste transfer facility. Hardened material may be disposed of with trash.

LABEL PRECAUTIONS

DANGER! EXTREMELY FLAMMABLE. Contains Naphtha, Toluene and Ethanol. Keep from heat, sparks and flame. Vapors may ignite explosively. DO NOT smoke. Extinguish all flames, burners, stoves, heaters and pilot lights & disconnect all electrical motors and appliances before use and until all vapors are gone. Prevent build-up of vapor by opening all windows and doors to achieve cross-ventilation. May cause eye, skin and respiratory irritant. May cause central nervous system effects including dizziness, headache or nausea. Contains n-Hexane which can cause peripheral polyneuropathy and central nerve damage. Avoid contact with skin, eyes and clothing. Avoid breathing vapors. **KEEP OUT OF REACH OF CHILDREN.**

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> Tan	<u>Application Temperature:</u> Apply and cure between 0°F (-18°C) and 100°F (38°C)
<u>Appearance:</u> Thick paste	<u>Repositioning Time:</u> 15 minutes
<u>Base:</u> Synthetic rubber and resins	<u>Cure Time:</u> 24 hours to 7 days Cure time depends upon temperature, humidity, porosity of substrate and amount of adhesive used.
<u>Odor:</u> Solvent	
<u>Specific Gravity:</u> 1.12	
<u>Viscosity:</u> 300,000 cps (At room temperature)	
<u>Flash Point:</u> 0°F (-17.8°C) Extremely flammable while in use.	
<u>Solids Content:</u> 64% by weight	
<u>VOC Content:</u> 33% by weight (380 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 is stamped on bottom plunger of cartridge) For example: 09061 = 61 st day of 2009 = March 2, 2009	

Typical Cured Performance Properties	
<u>Color:</u>	Tan
<u>Cured Form:</u>	Non-flammable solid
<u>Service Temperature:</u>	-20°F (-29°C) to 160°F (71°C)
<u>Water Resistance:</u>	Yes
<u>Compression Shear Strength:</u> (ASTM D3498)	Wet Lumber: 183 psi Dry Lumber: 302 psi Frozen Lumber: 117 psi
<u>Specifications:</u>	<ul style="list-style-type: none"> ▪ Tested and approved for HUD-FHA application per UMB No. 60 ▪ Exceeds American Plywood Association specifications AFG-01 ▪ ASTM D 3498 ▪ ASTM C 557 ▪ Conforms to CAN/CGSB standards 71.25-M88 specifications ▪ Conforms to CAN/CGSB standards 71.26-M88 specifications