



TECHNICAL DATA SHEET



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DESCRIPTION

Loctite® PL® 375 VOC Heavy Duty Construction Adhesive is a versatile premium grade water-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. Low VOC formulation meets stringent State and Federal regulatory requirements.

RECOMMENDED FOR:

Bonds to a large variety of building materials including wood, concrete, brick, drywall, metal, fiberglass panel, wallboard and cork. Use for installing 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:

- 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 two non-porous surfaces
- Polyethylene, polypropylene, Nylon™ or Teflon™
- Cement Board (Durock™)

FEATURES & BENEFITS:

| Feature | Benefits |
|-------------------------------------------------|--------------------------------------------------------|
| Ultra low VOC content..... | Meets stringent State and Federal VOC requirements |
| Water-based adhesive..... | Non-flammable, environmentally friendly, non-toxic |
| 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 |
|---------|-----------------|------------|
| 1390601 | Paper Cartridge | 10 fl. oz. |
| 1390599 | Paper Cartridge | 28 fl. oz. |

COVERAGE

For a 10.2 fl. oz. cartridge:

A ¼" (6 mm) bead extrudes approximately 32 ft (9.5 m).

A 3/8" (9.5 mm) bead extrudes approximately 14 ft. (4.26 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:

Wear gloves. Interior applications require ventilation to the outside during application and cure. 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 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.

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. 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

CAUTION! CONTAINS ETHYLENE GLYCOL and Crystalline Silica. Avoid eye contact. Do not take internally. Use with adequate ventilation. **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> | Off-White | <u>Application Temperature:</u> | 40°F (4°C) to 100°F (38°C) |
| <u>Appearance:</u> | Thick paste | <u>Repositioning Time:</u> | 20 minutes @ 70°F, 50% Relative Humidity |
| <u>Base:</u> | Poly Vinyl Acetate (PVA) | <u>Cure Time:</u> | 48 hours Cure time depends upon temperature, humidity, porosity of substrate and amount of adhesive used. |
| <u>Odor:</u> | Mild acrylic odor | | |
| <u>Viscosity:</u> | 225,000 to 325,000 cps | | |
| <u>Solids Content:</u> | 70% by weight | | |
| <u>VOC Content:</u> | 0.1% by weight (< 2 g/L) | | |
| <u>Shelf Life:</u> | 24 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 For example: 09061 = 61 st day of 2009 = March 2, 2009 | | |
| (Lot code stamped on bottom plunger of cartridge) | | | |

Typical Cured Performance Properties

| | |
|----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <u>Color:</u> | Off-White |
| <u>Cured Form:</u> | Non-flammable solid |
| <u>Service Temperature:</u> | 10°F (-12°C) to 160°F (71°C) |
| <u>Water Resistant:</u> | Yes - Do not use outdoors if rain is expected within 24 hours. |
| <u>Shear Strength</u> (ASTM C 557-99): | 24 hours @ 73°F: 26.3 psi 14 days @ 73°F: 42.3 psi |
| <u>Tensile Strength:</u> (ASTM C 557-99): | 24 hours @ 73°F: 18.3 psi 14 days @ 73°F: 27.5 psi |
| <u>Specifications:</u> | <ul style="list-style-type: none">▪ 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:<ul style="list-style-type: none">▪ SCAQMD Rule 1168 VOC▪ CARB▪ BAAQMD |