

PL[®] 530 Mirror, Marble & Granite Construction Adhesive

DESCRIPTION

LOCTITE[®] PL[®] 530 Mirror, Marble & Granite Construction Adhesive is a solvent-based adhesive engineered specifically for use in kitchen and bath applications. It provides superior bonding capabilities in wet and humid areas and will not stain or damage electro-copper plated glass mirrors or solid surfaces. Loctite PL 530 adheres to common materials found in kitchen and bath areas including mirrors, marble, granite, concrete, brick, glass, tile, ceramic, fiberglass, metals, drywall and backsplashes.

Available As:

Item #	Package	Size
1693636	Paper Cartridge	10 fl. oz. (295 mL)

FEATURES & BENEFITS

- Bonds to common materials found in the kitchen & bath
- Won't stain or damage materials
- Long lasting adhesion in wet and humid areas
- Low VOC formulation
- Forms strong, permanent bonds

RECOMMENDED FOR

LOCTITE PL 530 adheres to common materials found in kitchen and bath areas including glass mirrors, marble, granite, concrete, brick, glass, tile, ceramic, fiberglass, metals, drywall and backsplashes. Use only on electro-copper plated glass mirrors conforming to US Federal Specification Commercial Item Description for Mirrors and Glass A-A-3002 protection against silver spoilage. Mirror must be supported with permanent mechanical fasteners. Do not for use on acrylic, antique, or painted mirrors.

LIMITATIONS

- Not for use on polyethylene (PE), polypropylene (PP), polytetrafluoroethylene (PTFE), and acrylic
- Not suitable for areas subject to water immersion
- Not recommended for use on expanded or extruded polystyrene foam materials
- Not recommended for use on acrylic or antique, or painted mirrors
- Not recommended for bonding two non-porous surfaces
- Not recommended for overhead applications
- Not recommended for installation of floor tiles or thresholds (ceramic, porcelain, or stone)
- Not recommended for landscape block and wall projects

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

Typical Uncured Physical Properties		Typical Application Properties	
<u>Color:</u>	Light tan	<u>Application Temperature:</u>	Apply between 1.4°F (-17°C) and 120°F (49°C) for optimal performance use at 70°F (21°C)
<u>Appearance:</u>	Thixotropic liquid		
<u>Base:</u>	Synthetic resins and rubber Formaldehyde free	<u>Odor:</u>	Acetone-like
<u>Flash point:</u>	1.4°F (-17°C)	<u>Open Time:</u>	15 minutes* at 78°F (25°C) and 50% RH
<u>Specific Gravity:</u>	1.40 – 1.48		
<u>% Solids by Weight:</u>	70%	<u>Reposition Time:</u>	30 minutes* at 78°F (25°C) and 50% RH
<u>VOC Content:</u>	0.22% by weight CARB 5.7 g/L SCAQMD rule 1168	<u>Cure Time**:</u>	2 to 7 days*
<u>Shelf Life:</u>	18 months from date of manufacture (unopened)	<u>Clean Up:</u>	Clean up uncured adhesive residue with mineral spirits or paint thinner. Cured adhesive may be carefully cut away with a sharp-edged tool.
<u>Lot Code Explanation:</u>	YYDDD YY = Last Two Digits of Year of Manufacture DDD = Day of Manufacture based on 365 days per year For example: 24061 = March 2, 2024		

* Time is dependent upon temperature, humidity, porosity of substrate, and amount of adhesive used

** Cure time is significantly increased in cold temperatures and/or high humidity conditions

Typical Cured Performance Properties

<u>Color:</u>	Light tan	<u>Service Temperature:</u>	-20°F (-29°C) to 150°F (66°C)
<u>Cured Form:</u>	Non-flammable solid	<u>Water Resistant:</u>	Yes, once cured.

DIRECTIONS**Tools Typically Required:**

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

Safety Precautions:

Wear gloves to avoid skin contact and wash hands after use. Ventilate to the outside during application and cure.

Preparation:

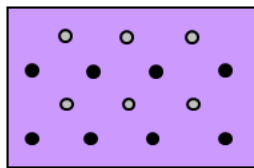
General application: The temperature of the adhesive, the surfaces and the working area must be between 1.4°F (-17°C) and 120°F (49°C). For smooth, fast, easy application store adhesive at room temperature (70° ± 5°F / 22 ± 2°C) 24 hours prior to use. Ensure surfaces to be bonded are clean, dry, free of dust, grease, oil or other contaminants and structurally sound. Do not apply over wallpaper, vinyl or foil wall coverings. To increase adhesion, sand glossy or painted 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. The recommended bead size is 3/8" (9.5 mm). Puncture seal inside of nozzle.

Mirror: For best adhesion the mirror, substrate and adhesive should be at room temperature (70 ± 5°F / 22 ± 2°C) for 24 hours before use. Do not use on a painted surface, wall coverings or treated wood. On porous substrates such as drywall or wood, apply a primer or sealer (not paint) on the substrate and allow it to dry. Painted surfaces should be sanded to the original surface and the substrate cleaned and sealed with a primer. Wall covering must be removed where the adhesive is to be applied, cleaned and sealed.

DIRECTIONS**Application:**

General application: Using a caulking gun, apply 3/8" zigzag bead to one surface to be bonded or apply a continuous broken bead around the perimeter and in the center of the object. One surface must be porous. Ensure that all outer edges and centers are adequately supplied with adhesive to ensure a complete and total bond. Bracing or nailing is recommended for vertical applications. Use nails sparingly for support and as an aid to alignment during installation. Surfaces must be joined within 15 minutes after application. Repositioning time is approximately 30 minutes. If work is delayed, remove excess adhesive and begin again. After use, wipe off nozzle tip and recap immediately.

Mirror bonding: Using a caulking gun, apply adhesive dollops to back of mirror in 2 to 3-inch (5 to 7.5 cm) diameter spots approximately 1/2" (12 mm) thick for every square foot of mirror (see Fig.1). Do not place the adhesive too close to the edge to prevent squeeze out. A permanent support system, such as plastic holders or clips, or mirror channels must be used to hold mirrors in place, both at the top and bottom of mirror. Heavy mirrors may require an additional support system. Place mirror in position, in supports, and carefully press into place within 15 minutes of application. The adhesive should be compressed so that it is approximately 1/8 inch (3 mm) thick. Do not attempt to remove or reposition the mirror once adhesive has started to cure. Brace top of mirror to hold in place while the adhesive cures, usually 24 hours. Mirrors should not be mounted to wallpaper, painted surfaces, plaster, natural stone, fire retardant plywood, pressure treated wood or any surface that is damaged or not structurally sound. Total time required for curing depends upon temperature, humidity, porosity of substrate and amount of air that can reach the adhesive. Fully sealing around the edges may extend cure time.

**Fig.1**

SPECIAL NOTE: Not recommended for overhead mirror installations. Not recommended for mirror overlays. Do not apply horizontal or continuous adhesive beads. Do not use on mirrors exhibiting damage or scratches on the mirror backing as adhesive may cause damage to reflective coating.

Clean-up:

Clean tools and uncured adhesive residue immediately with mineral spirits or paint thinner in a well-ventilated area to the outdoors. Read manufacturer's instructions for proper use and hazards. Cured adhesive may be carefully cut away with a sharp-edged tool.

STORAGE & DISPOSAL

NOT DAMAGED BY FREEZING. For best results, store product at 70°F ± 5°F and <50% relative humidity. Store away from heat, flame and sparks. Take unwanted product to an approved hazardous waste facility. Hardened material may be disposed of with household trash.

LABEL PRECAUTIONS

DANGER! EXTREMELY FLAMMABLE. VAPORS MAY CAUSE FLASH FIRE. HARMFUL IF INHALED OR SWALLOWED. MAY CAUSE EYE, SKIN AND RESPIRATORY IRRITATION.

DANGER! Contains acetone, methyl acetate, and crystalline silica. Vapors may ignite explosively. Do not use or store near heat, sparks or open flame. Do not smoke when using this product. Extinguish all flames and pilot lights and turn off all sources of ignition, including stoves, heaters and electric motors during use and until all vapors are gone. Prevent build-up of vapors by opening all windows and doors to achieve cross ventilation. Use in a well-ventilated area. Avoid breathing vapors. Avoid contact with eyes and skin. Prolonged or repeated exposure may affect the nervous system causing dizziness, headache or nausea. If you experience eye watering, headache or dizziness, leave the area to obtain fresh air. Do not take internally. **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.**

NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain, nervous system, liver and kidney damage or may cause cardiac arrhythmia. **INTENTIONAL MISUSE BY DELIBERATELY INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.**



WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov

Refer to 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. Henkel recommends purchasers/users should test the products to determine acceptable quality and suitability for the intended use. All adhesive/sealant applications should be tested under simulated or actual end use conditions to ensure the adhesive/sealant meets or exceeds all required project specifications. Since assembly conditions may be critical to adhesive/sealant performance, it is also recommended that testing be performed on specimens assembled under simulated or actual production conditions. 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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Henkel Corporation - Professional & Consumer Adhesives Headquarters - Rocky Hill, CT 06067
www.henkel-northamerica.com