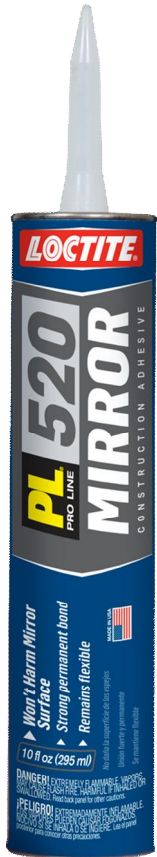




TECHNICAL DATA SHEET



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DESCRIPTION

Loctite® PL® 520 Mirror Construction Adhesive is a high performance adhesive formulated especially for mounting mirrors. It can be used on most structurally sound interior surfaces such as wood, drywall, metal and painted surfaces. Loctite® PL® 520 remains flexible and will not become brittle over time. It is easy to apply and will provide a safe, strong and permanent bond to most types of mirrors.

RECOMMENDED FOR:

Loctite® PL® 520 Mirror Construction Adhesive is designed for the permanent fastening of electro-copper plated glass mirrors to structurally sound interior wall surfaces. Adheres to wood, drywall, painted surfaces, plaster and metal.

NOT RECOMMENDED FOR:

- Do not use for overhead applications
- This product is only to be used with a securely mounted permanent support system, such as "L" hangers or "J" channels, during and after cure
- Not recommended for mounting mirrors to wall-papered surfaces
- Can be used only on electro-copper plated mirrors

FEATURES & BENEFITS:

Feature	Benefits
Forms a strong, permanent bond	Long lasting adhesion
Remains flexible	Will not flake or become brittle
Bonds to most building materials	Provides a strong, durable bond to multiple surfaces
Low VOC formulation	Meets stringent Federal and State VOC regulations

Item #	Packaging	Size
1650979	Paper Cartridge	10 fl.oz. (295 mL)

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).

DIRECTIONS

Tools Typically Required:

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

Safety Precautions:

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

Preparation:

The temperature of the adhesive, the surfaces and the working area must be between 40°F - 100°F (4°C - 38°C), however for best results, temperatures between 15°C - 30°C (60°F - 85°F) for 24 hours or longer are recommended before installation. Be very careful not to scratch or damage the back coating of the mirror. Ensure surfaces to be bonded are clean, dry, structurally sound and free of dust, grease, oil or other contaminants. Concrete surfaces must be painted to prevent caustic lime from attacking the mirror backing. Prime drywall and plaster surfaces.

For painted surfaces, lightly sand with coarse sandpaper. Cut off tip of cartridge at 45° angle to give a 1/4" (6 mm) diameter bead. Puncture seal inside of nozzle. Protect surrounding areas and floors from drips, squeeze outs etc. Install plastic holders or clips or support channel prior to the application of the adhesive.

Application:

Using a caulking gun, apply adhesive to back of mirror in 2 to 3 inch (5 to 7.5 cm) diameter spots approximately 1/2 inch (12 mm) thick for every square foot of mirror. Do not place the adhesive too close to the edge to prevent squeeze out. A support system, such as plastic holders or clips must be used to hold mirrors in place. Place mirror in position in supports and carefully press into place within 10 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 in place. Brace top of mirror to hold in place while the adhesive cures, usually 48 hours. Maximum bond strength is obtained when the original bond is preserved. Typically, PL® 520 will cure to 60% strength within 48 hours at normal room temperature. Total time required for curing depends upon temperature, humidity, porosity of substrate and amount of air that can reach the adhesive. For non porous surfaces longer curing time will be required. If sealing the edges wait a minimum of 7 days.

Clean-up:

Clean tools and uncured adhesive residue immediately with mineral spirits or paint thinner 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. Store away from heat, flame and spark in a cool, well-ventilated place at room temperature (70° ± 5°F). In cold weather, product should be kept at room temperature for at least 24 hours prior to use to improve extrusion. Use an approved hazardous waste facility for disposal.

LABEL PRECAUTIONS

DANGER! EXTREMELY FLAMMABLE. VAPORS MAY CAUSE FLASH FIRE. HARMFUL IF INHALED OR SWALLOWED.

DANGER! Contains acetone and methyl acetate. **EXTREMELY FLAMMABLE.** 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.**

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

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.**

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>Odor:</u>	Strong solvent odor (Apply and cure in a well ventilated area)
<u>Base:</u>	Synthetic Rubber and Resins	<u>Open time:</u>	10 minutes
<u>Specific Gravity:</u>	1.39		
<u>Viscosity:</u>	270,000 cps		