



# TECHNICAL DATA SHEET



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## DESCRIPTION

Loctite® Clear Silicone is a multipurpose adhesive and sealant which creates a waterproof, protective seal that is ideal for metal, glass, rubber, tile and porcelain. It is designed to be used indoors and outdoors to repair everything from electrical connections to seams on boots to stop leaks in wet weather. Loctite® Clear Silicone can be used to bond or repair saltwater or freshwater aquariums.

## RECOMMENDED FOR:

Bonding ABS, glass, ceramic, porcelain, wood, aluminum, stainless steel, cultured marble, fiberglass, granite, vinyl tile, some rubbers and plastics. Use for sealing or repairing door frames, windows, vents, toys, appliances, gaskets, weather-stripping, outside of fireplace doors, shoes and boots.

## NOT RECOMMENDED FOR:

- Aquariums greater than 30 gallons (114 L) and/or containing water greater than 18" (46 cm) in height.
- Not paintable.
- Marble, limestone, cement, concrete, brass, copper, magnesium, iron, zinc or galvanized metals.
- Polyethylene, polypropylene, polytetrafluoroethylene, polymethylmethacrylate, polycarbonate, PVC or Teflon™.
- Below grade, stovepipe, chimney or fireplace applications.
- Contact with oil-based caulking, polysulfide and fillers impregnated with oil, asphalt or tar.

## FEATURES & BENEFITS:

Feature	Benefits
Extreme temperature resistance.....	All-season use
Waterproof.....	Indoor and outdoor use
No cracking, peeling or shrinking.....	One-time application
Gap filling.....	Excellent for imperfect surfaces
Flexible bonds.....	Impact resistant and flexes with materials

Item #	Package	Size
908570	Carded tube	2.7 fl. oz. (80 ml)

## DIRECTIONS

### Tools Typically Required:

Tooling device.

### Safety Precautions:

Apply and cure in a well-ventilated area. Wear gloves.

### Preparation:

Use between -35°F (-37°C) and 140°F (60°C). Protect work area. Surfaces must be clean, dry and free of old caulk, grease, dust and other contaminants. Note: Paint will not adhere to silicone. If desired, paint items prior to gluing. Remove cap. Puncture inner seal with other side of cap. Attach nozzle and cut to desired bead size (3 oz. tube only).

### Application:

#### As an adhesive:

Apply to one of the surfaces to be bonded. When bonding rubber or plastic surfaces, lightly roughen surface for best results. Press materials

together. If possible, clamp parts together for full cure time of 24 hours.

As a sealant:

Apply with a steady pressure, forcing sealant into the joint. Tool within 5 minutes. Do not use in joints deeper than 12 mm (1/2") without the use of a backer rod. Use in joints between 1/4" and 3/4" wide.

For aquariums:

Apply a 1/4" bead to the edge of glass, covering the thickness of the glass edge. Set glass on base and repeat procedure for all sides. All joints must be glass to sealant to glass with no entrapped air bubbles. Apply additional sealant to inside joints. Do not use in aquariums larger than 30 gallons (114 L) and/or aquariums containing water greater than 18" (46 cm) in height.

Clean-up

Clean tools and adhesive residue immediately with mineral spirits. Cured sealant may be carefully cut away with a sharp-edged tool.

## STORAGE AND DISPOSAL

Not damaged by freezing. Use an approved hazardous waste facility for disposal.

## PRECAUTIONS

**FUMES MAY BE HARMFUL.** Do not breathe fumes. Use only in a well ventilated area. Avoid contact with eyes and skin. In case of contact, flush with clean water. Wash hands with soap and water after use.  
**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>	Clear	<u>Application Temperature:</u>	-35°F (-37°C) to 140°F (60°C).
<u>Appearance:</u>	Non-slumping paste	<u>Odor:</u>	Acetic acid (Apply and cure in a well-ventilated area)
<u>Base:</u>	Acetoxy Silicone	<u>Working Time:</u>	5 to 10 minutes
<u>Specific Gravity:</u>	1.03	<u>Tack-Free Time</u>	10 to 20 minutes
<u>VOC Content:</u>	30 g/L (2.97% by weight)	<u>Full Cure Time:</u>	24 hours @ 25°C (78°F) and 50% RH Cure time is dependent upon temperature, humidity and depth of product used.
<u>Shelf Life:</u>	24 months from date of manufacture (unopened)		

## Typical Cured Performance Properties

<u>Color:</u>	Clear
<u>Water Resistance:</u>	Yes
<u>Paintable:</u>	No
<u>Tensile Strength:</u>	310 psi
<u>Service Temperature:</u>	
<u>Long Term:</u>	-76°F (-60°C) to 392°F (200°C)
<u>Short Term:</u>	-76°F (-60°C) to 350°F (177°C)
<u>Specifications:</u>	<ul style="list-style-type: none"><li>CAN/CGSB-19.13-M87 Class MG-2-25-A-L.</li><li>ASTM C 920, Type S, Grade NS, Class 25, Use NT, G, A, O</li></ul>