



## Loctite® Extreme Glue

### DESCRIPTION

**Description:** Loctite® Extreme Glue is a true all-purpose glue that is extremely strong and easy to use (non-foaming). The glue delivers the power of two technologies to create durability & versatility. It is the ideal formula for repairing, crafting, and building projects. This technology was developed with Loctite Industrial expertise. Extreme Glue dries crystal clear, does not wrinkle paper and sets with no clamping. Extreme Glue is elastic, shock resistant, non-shrinking, fills gaps, water resistant and can be used indoors and outdoors.

#### Available As:

Item #	Package	Size
2627062	Carded Bottle	1.62 fluid ounce

### FEATURES & BENEFITS

- Strong & Durable
- Easy to Use / Non-foaming
- Crystal Clear for invisible repairs
- Water Resistant
- Temperature Resistance up to 176°F (80°C)

### RECOMMENDED FOR

Loctite Extreme Glue is ideal for DIY repairs and modeling work in and around the house. It is compatible with many porous and non-porous materials such as aluminum<sup>1</sup>, stainless steel, steel, copper<sup>1</sup>, brass<sup>1</sup>, bronze<sup>1</sup>, concrete, tiles, ceramic, glass, mirror<sup>1</sup>, wood, cork, chipboard, MDF, varnished surfaces<sup>1</sup>, fiberglass reinforced polyester, unfinished leather, linen, paper, cardboard, rigid PVC, polycarbonate, sanded ABS, polystyrene foam, mirrors<sup>1</sup>, natural stones, concrete.

<sup>1</sup> See limitations below.

### LIMITATIONS

- Not for use on polyethylene (PE), polypropylene (PP), polytetrafluoroethylene (PTFE), ABS (not sanded), and rigid polystyrene
- Before application, carry out tests to ensure the compatibility of Loctite Extreme Glue with non-ferrous metals such as aluminum, copper, bronze, and brass as well as with different coatings such as paints, varnishes and powder coatings. Variations in composition may affect adhesion.
- Loctite Extreme Glue is only compatible with mirrors whose reflection and protective coating complies with DIN 1238 5.1 and DIN EN 1036. See application instructions.
- The cured product is water-resistant, but not suitable for water immersion.
- If bonding two non-porous surfaces (i.e. metal to metal or plastic to plastic) then both surfaces should be pre-wetted with a damp cloth before applying the adhesive. Avoid wetness, pooling water or water drop formation.

### COVERAGE

**For a 1.62 fl. oz. (47.9 ml) tube:** 0.7 fl. oz. per ft<sup>2</sup> or 7.7 fl. oz. / m<sup>2</sup> when applied to one surface.

**Note:** The required amount depends on the substrate porosity and thickness of any gap

### TECHNICAL DATA

#### Typical Uncured Physical Properties:

<b>Color:</b>	Transparent and Colorless	<b>Specific Gravity:</b>	1.1
<b>Appearance:</b>	Liquid	<b>VOC Content:</b>	5.2% by weight (CARB) / 105 g/L (SCAQMD)
<b>Base:</b>	Silane moisture-curing polymer	<b>Flash Point:</b>	150.8°F (66.0°C)
<b>Viscosity:</b>	8,000 – 20,000 cps		

## TECHNICAL DATA

### Typical Application Properties:

<b>Application Temperature:</b>	Apply between 41°F (5°C) to 104°F (40°C)		
<b>Odor:</b>	Minimal	<b>Clamp Time:</b>	30 minutes*
<b>Open Time:</b>	8 – 15 minutes*	<b>Full Cure Time:</b>	Approximately 24 hours*
<b>Repositioning Time</b>	5 minutes*	*Time is dependent on temperature, humidity and thickness of adhesive applied	

### Typical Cured Performance Properties:

<b>Color:</b>	Clear and Colorless	<b>Water Resistant:</b>	Yes
<b>Shelf Life:</b>	18 Months from date of manufacture unopened	<b>Paintable:</b>	Yes (See page 3 for details)
<b>Lot Code:</b> (stamped on bottom of bottle)	<b>YYDDD</b> YY – Last two digits of year manufactured DDD – Date of manufacture based on 365 days of the year Example: 20125 (May 4, 2020)	<b>Service Temperature:</b>	- 40°F (-40°C) to 176°F (80°C) <i>Note: Exposure to temperatures above 122°F (50°C) will cause yellowing.</i>
		<b>Cured Form</b>	Non-flammable, flexible solid

### Tensile Shear Strength: 1-inch overlaps cured for 7 days at 73°F (23°C)

<b>Pine to Pine</b>	392 psi	<b>Maple to PVC (hard)</b>	281 psi
<b>Maple to Maple</b>	493 psi	<b>PVC to PVC (hard)</b>	109 psi
<b>Maple to Aluminum</b>	375 psi	<b>Maple to Polycarbonate</b>	473 psi
<b>Aluminum to Aluminum</b>	243 psi	<b>Maple to Acrylic (sanded)</b>	234 psi
<b>Cold rolled steel to itself</b>	189 psi	<b>Maple to ABS</b>	119 psi
<b>Maple to Stainless steel</b>	491 psi	<b>Maple to ABS (sanded)</b>	371 psi
<b>Stainless steel to itself</b>	496 psi	<b>Maple to Fiberglass (sanded)</b>	450 psi
<b>Canvas to Canvas</b>	4 lbs./inch	<b>Felt to Pine</b>	9 lbs./inch
<b>Canvas to Pine</b>	11 lbs./inch	<b>Leather (unfinished) to Pine</b>	8 lbs./inch
<b>Corduroy to Maple</b>	6 lbs./inch		
<b>Tensile Shear Strength: 1-inch overlaps cured for 7 days at 73°F (23°C) then 3-hour water immersion</b>			
<b>Maple to Maple</b>	471 psi	<b>Maple to Aluminum</b>	370 psi
<b>Compression Shear Strength – Cured for 7 days</b>			
<b>Maple to Maple</b>	466 psi		

## DIRECTIONS

### Tools Typically Required:

Wear gloves and wash hands after use.

### Safety Precautions:

Use in a well-ventilated area. Protect work area before and during use. Wear gloves (nitrile gloves recommended) and wash hands after use.

### Preparation:

Protect work area. Surfaces to be glued must be sound, clean, dry (see Application below) and free of grease, dust, old adhesive residue, paint and other contaminants such as plasticizers and mold release agents. Remove contaminants with alcohol or acetone (tests surfaces for compatibility before). For improved adhesion, lightly sand very smooth or glossy surfaces and clean thoroughly. Pre-fit all materials before applying adhesive. When bonding two non-porous surfaces, dampen surfaces lightly before applying adhesive. Mask off the adjacent areas with tape before gluing if necessary. To open, rotate cap counterclockwise.

### Application:

Apply a thin layer of adhesive to one surface. Bond parts immediately after applying the adhesive and hold or clamp parts together (before skin formation) for at least 30 minutes. For best results allow 24 hours cure before subjecting to stress. Unlike other adhesives, high pressure during curing is not necessary. Very porous materials will require a thicker layer of adhesive and application to both surfaces may be required.

## DIRECTIONS

Loctite<sup>®</sup> Extreme Glue cures by absorbing moisture into the bond line from the ambient air (air humidity or water vapor) or from the substrate. If both surfaces to be joined are non-porous (i.e. metal to metal or plastic to plastic) then they can only be glued by pre-wetting both surfaces with a damp cloth before applying the adhesive. Avoid wetness, pooling water or water drop formation. For large surface areas make sure the moisture film does not dry off before applying the adhesive. Absorbent surfaces are normally water-permeable and do not require pre-wetting; however, the curing process can be considerably accelerated for both absorbent and non-absorbent substrates if the surfaces are pre-wetted by wiping the areas to be glued with a damp cloth before applying the adhesive. The adhesive can be applied to damp surfaces. The adhesive will reach its maximum strength after it has fully cured, and the substrates have fully dried.

Once fully cured the adhesive can be painted, with water based acrylic paint, polyurethane-based varnishes, and alkyd resin varnishes. When using alkyd resin paints drying may be delayed. It is not compatible with one component polyurethane paints.

**Mirror bonding:** Be very careful not to scratch or damage the back coating of the mirror. Protect surrounding areas and floors from drips, squeeze outs etc. Apply the adhesive to the back of the mirror or the substrate using vertical beads only approximately 1/8 inch (3 mm) wide and approximately 1 -2 inches (2.5 – 5 cm) apart. Do not place the adhesive too close to the edge to prevent squeeze out (leave approximately 1-2 inches (2.5 – 5 cm) from the edges). Within 5-8 minutes place firmly up against the wall and tape in place until cured. Support the bottom of the mirror to prevent slippage until the adhesive cures. For mirrors larger than 1 square foot (0.09 m<sup>2</sup>), this product must be used with a permanent support system. Place mirror into support channels or hangers and press in place within 5-8 minutes. Tape or brace the top of the mirror until the adhesive has set at least 48 hours. For non-porous surfaces longer curing time will be required. Do not try to reposition the mirror once in place. If sealing the edges wait a minimum of 7 days. Curing time will depend on temperature, humidity, type of substrate and amount of air that can reach the adhesive.

### **Clean-up**

Clean tools and adhesive residue immediately after use with alcohol, acetone or cleaner's naphtha. Follow manufacturer's precautions for use and hazards. Cured sealant may be carefully cut away with a sharp-edged tool. Cured adhesive cannot be removed from clothing and is not soluble in any solvent

## STORAGE & DISPOSAL

Store above freezing in a cool and dry place. Avoid direct sunlight. Close the tube tightly immediately after each use. Exposure to high humidity during storage will reduce shelf life. Exposure to high temperatures during storage (> 122°F, 50°C) will cause the product to yellow in the bottle.

To dispose of unwanted product, squeeze out remaining material, allow to dry and discard with domestic waste. Dispose of non-hardened product residues according to the applicable local regulations. Large product amounts must be disposed of separately. The empty packaging can be recycled.

## LABEL PRECAUTIONS

**WARNING! COMBUSTIBLE. MAY CAUSE SKIN AND EYE IRRITATION.** Contains trimethoxysilanes. May be harmful if inhaled or swallowed. Methanol is released during application and cure, which may affect the nervous system causing dizziness, headache or nausea. Keep away from heat, sparks, and flame. Use in a well-ventilated area. Do not breathe vapors. Avoid contact with eye, skin, and clothing. Prolonged or repeated skin contact may cause dermatitis and sensitization. Wash hands after using. Wear gloves when applying product.

**FIRST AID:** For eye contact flush with water for 15 minutes. Call a physician if irritation develops and persists. For skin contact, wash with soap and water. If affected by inhalation, remove to fresh air and get medical attention. If ingested, do not induce vomiting. Call a physician or Poison Control Center immediately. **DO NOT TAKE INTERNALLY. KEEP OUT OF REACH OF CHILDREN.**



**WARNING:** Cancer and Reproductive Harm – [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

## 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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**For Technical Assistance call : 1-800-624-7767 – Mon-Fri - 9:00a – 4:00p ET**

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