



TECHNICAL DATA SHEET



SUPER GLUE EXTRA TIME CONTROL®

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DESCRIPTION

Loctite® Super Glue Extra Time Control® is a user-friendly formulation that allows more time to align and reposition pieces to ensure precision bonding with no accidental bonding of pieces or fingers. The no-clog container allows for an extended useful life. Its super strength final bond is stronger on more surfaces than ordinary instant adhesives thanks to a patented additive. Loctite® Super Glue Extra Time Control® comes in a patented side-squeeze design for maximum control. It dries clear and sets without clamping. It is also resistant to moisture, most chemicals and freezing temperatures.

RECOMMENDED FOR:

Use for repairing figurines, costume jewelry, cameras, toys, metal car parts, wiper blades, rubber seals and O-rings. Bonds leather, cork, paper, cardboard, wood, chipboard, fabric, metal, ceramic, rubber and hard plastics such as Plexiglas®, polycarbonate, polystyrene and PVC. Ideal for vertical surfaces.

NOT RECOMMENDED FOR:

- Styrofoam™, foam rubber, pure bone china, glass, silicone rubber, polyethylene, polypropylene and polytetrafluoroethylene (PTFE)
- Glazed surfaces
- Use on repairs needing high flexibility or for gap filling applications
- Use in dishwasher, oven or microwave
- Exterior applications

FEATURES & BENEFITS:

Feature	Benefits
Extra long repositioning time.....	Ideal for precision alignment of surfaces; Reduced chances of finger bonding
No odor.....	Eliminates irritation to sensitive eyes
Thick gel consistency.....	Less mess and easier to use; No-drip, no-run performance
Dries transparent.....	Invisible repairs
Sets in seconds.....	No clamping required
Easy squeeze grips.....	Pinpoint accuracy

DIRECTIONS

Tools Typically Required:

Tissue paper.

Safety Precautions:

Apply in a well ventilated area. Wear gloves.

Preparation:

Surfaces must be clean, close fitting with no gaps, dry and free from oil, wax and paint. Protect work area. Lightly roughen smooth surfaces for better adhesion. Pre-fit parts to be joined.

Item #	Package	Size
1503241 1503244 1585330	Carded Bottle	4 g
1778769	Carded Bottle	5 g

Application:

To puncture the nozzle, turn cap clockwise continuously into the base until the clicking sound stops. Unscrew the cap counter clockwise to open the bottle. Squeeze the green side grips to dispense the adhesive. Apply the adhesive sparingly to one side only using approximately one drop per square inch of surface. Press surfaces together immediately and hold for 15-30 seconds. Do not attempt to reposition the parts. Immediately after use, clean tip with tissue and replace cap. For increased strength, leave the parts undisturbed for at least 5 minutes. Full cure in 24 hours.

Clean-up

After cleaning, wet any tissue used for wiping off glue with water and dispose of. When cleaning up larger quantities of uncured adhesive, apply water and allow to cure and then scrape up. Note this may result in damage to the surfaces. Cured adhesive may be cut away with caution using a sharp blade, removed with acetone or with boiling water. Note: Acetone is highly flammable and may not be suitable for use on all materials, test surface first. Follow manufacturer's instructions.

STORAGE AND DISPOSAL

Not damaged by freezing in the unopened container. Optimal shelf life is achieved when unopened container is stored from 2°C to 8°C (36°F to 46°F). After opening, it is not recommended that the product be stored cold or frozen. Once opened, the product is best stored tightly sealed in a dry location away from heat sources or sun exposure. Humidity and high temperatures may decrease shelf life. Use an approved hazardous waste facility for disposal.

LABEL PRECAUTIONS

WARNING: BONDS SKIN IN SECONDS. EYE AND RESPIRATORY IRRITANT. Contains Cyanoacrylate. May cause allergic skin reaction. Skin contact through clothing may cause burns. Avoid contact with skin and eyes. **FIRST AID:** In case of eye contact, flush with water for 15 minutes; call a physician. For skin contact, flush with water. For ingestion, do not induce vomiting; call a physician. If spilled on clothing, flush with large quantities of water. **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>	Colorless to Light Yellow	<u>Application Temperature:</u>	Apply above 50°F (10°C)
<u>Appearance:</u>	Gel	<u>Odor:</u>	Sharp, irritating odor (use in a well ventilated area)
<u>Base:</u>	Ethyl Cyanoacrylate	<u>Fixture Time:</u>	15 to 120 seconds (see Table 1)
<u>Specific Gravity:</u>	1.1	<u>Handling Time:</u>	Leave undisturbed for at least 5 minutes. For best results, leave undisturbed overnight to allow full bond strength to develop.
<u>Flashpoint:</u>	> 176°F (80°C)	<u>Cure Time:</u>	24 hours
<u>VOC Content:</u>	< 2% by weight (< 20 g/L)		Note: Cure time is dependent upon temperature, humidity, porosity of surfaces bonded and amount of adhesive used.
<u>Shelf Life:</u>	From date of manufacture (unopened): Stored at 2-8°C: 30 months Stored at 20°C: 18 months		
<u>Lot Code Explanation:</u>	YDDDXX Y = Last Digit of Year of Manufacture DDD = Day of Manufacture based on 365 days in a year XX = Disregard (Lot code printed on bottom of bottle) For example: 3061 = 61 st day of 2013 = March 2, 2013		

Typical Cured Performance Properties

Color: Colorless to Light Yellow

Cured form: Non-flammable, hard, brittle solid

Service Temperature: -4°F (-20°C) to 176°F (80°C)

Moisture Resistance: Yes

Bond Strength (Tensile Shear, ISO 4587): Varies from 1450 to 2900 psi (10 to 20 N/mm²) in 12-24 hours, depending on the substrate

Table 1: Fixture time to develop a shear strength of 14.5 psi (0.1 N/mm²) at 72°C/50% RH

Substrates	Time
Skin	7-15 sec
Steel	5-8 min
Aluminum	80-120 sec
Teak	7-10 sec
Polycarbonate	2-5 min
ABS	1-2 min