



TECHNICAL DATA SHEET



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Item #	Package	Size
1365882	Carded Bottle	20 g

DESCRIPTION:

Loctite® Super Glue Professional has proven superior performance over ordinary super glues. It works faster and holds stronger on more surfaces than ordinary instant adhesives thanks to a patented additive. Loctite® Super Glue Professional's super strength formula is ideal for heavy-duty projects and repairs. It dries clear and sets without clamping. Loctite® Super Glue Professional is 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 Plexiglass™, polycarbonate, polystyrene and PVC.

NOT RECOMMENDED FOR:

- Styrofoam, foam rubber, pure bone china, glass, silicone rubber, PTFE, polyethylene and polypropylene.
- Glazed surfaces.
- Use on repairs needing high flexibility.
- Use in dishwasher, oven or microwave.

FEATURES & BENEFITS:

Feature	Benefits
Dries transparent.....	Invisible repairs
Sets in seconds.....	No clamping required
Super strength formula.....	Ideal for heavy duty projects and repairs
Clog-free pin cap.....	Minimize waste
Pin-point nozzle.....	Precise application

DIRECTIONS:

Tools Typically Required:

Tissue paper.

Safety Precautions:

Well-ventilated area, gloves.

Preparation:

Surfaces must be clean, dry and free from oil, wax and paint. Protect work area. Lightly roughen smooth surfaces for better adhesion. Pre-fit parts to be joined.

Application:

Twist off cap by turning counter-clockwise. Apply sparingly to one side only using approximately one drop per square inch of surface. Press surfaces together immediately. Hold in place for 15 to 30 seconds until bond sets. Do not reposition parts. Clean excess adhesive with tissue paper and replace cap.

Clean-up

Cured adhesive may be cut away with caution using a sharp blade, removed with Duro Super Glue Remover, acetone or with boiling water.

STORAGE AND DISPOSAL

Not damaged by freezing. Store in a cool, dry location. Humidity and high temperatures may decrease effectiveness. Use an approved hazardous waste facility for disposal.

PRECAUTIONS

CONTAINS CYANOACRYLATE. May cause allergic skin reaction. Skin contact through clothing may cause burns. Avoid contact with skin and eyes. 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>	Clear and colorless	<u>Application Temperature:</u>	Do not apply below 50°F (10°C)
<u>Appearance:</u>	Liquid	<u>Odor:</u>	Sharp, irritating (use in a well-ventilated area)
<u>Base:</u>	Ethyl cyanoacrylate	<u>Set Time:</u>	15 to 30 seconds
<u>Specific Gravity:</u>	1.05	<u>Max. Strength Cure Time:</u>	12 to 24 hours
<u>Flashpoint:</u>	150 to 200°F (65 to 93°C)		
<u>pH:</u>	2.55		
<u>Viscosity:</u>	40 cps		
<u>Shelf Life:</u>	1 year unopened		

Typical Cured Performance Properties

<u>Color:</u>	Clear and colorless
<u>Moisture Resistance:</u>	Yes
<u>Cured form:</u>	Non-flammable, hard, brittle solid.
<u>Service Temperature:</u>	Up to 180°F (82°C)
<u>Chemical Resistance:</u>	Motor oil, leaded petrol, ethanol, isopropanol and freon TA.

Time to achieve a shear strength of 14.5 psi (0.1 N/mm²) on various substrates at 72°F/50% RH

Substrates	Time (seconds)
Steel (degreased)	5 to 20
Aluminum	2 to 10
Zinc Dichromate	10 to 20
Neoprene	<5
Rubber, Nitrile	<5
ABS	2 to 10
PVC	2 to 10
Polycarbonate	10 to 40
Phenolic	2 to 10
Wood (Balsa)	2 to 5
Wood (Oak)	90 to 180
Chipboard	30 to 90
Fabric	2 to 20
Leather	5 to 15
Paper	1 to 10

Lap shear strength on various substrates after 24 hours at 72°F

Substrates	Shear Strength	
	psi	N/mm ²
Aluminum (etched)	1595 to 2755	11 to 19
Steel (grit blasted)	2610 to 3770	18 to 26
Zinc Dichromate	580 to 1450	4 to 10
ABS	870 to 2900	6 to 20
PVC	870 to 2900	6 to 20
Polycarbonate	725 to 2900	5 to 20
Phenolic	725 to 2175	5 to 15
Neoprene	725 to 2175	5 to 15
Rubber, Nitrile	725 to 2175	5 to 15