



TECHNICAL DATA SHEET



Henkel Corporation
 Professional and Consumer Adhesives
 Rocky Hill, CT
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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. The liquid formula works well on a variety of porous and non-porous surfaces and close-fitting repairs. 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 acrylic, polycarbonate, polystyrene and PVC.

LIMITATIONS:

- Does not bond to Polyethylene (PE), polypropylene (PP), polytetrafluoroethylene (PTFE), silicone or foam rubber, polystyrene foams, glass, or pure bone china
- Not for assemblies which will hold hot liquids
- Bonded items should not be placed in oven, microwave or dishwasher
- Not for exterior applications
- Do not use on glazed surfaces
- Not for repairs needing high flexibility or for gap-filling applications

FEATURES & BENEFITS:

Item #	Package	Size
1365882	Carded Bottle	20g
1405419	Carded Bottle	20g
1461229	Carded Bottle	20g

Feature	Benefits
Dries clear and colorless.....	Invisible repairs
Sets in seconds.....	No clamping required
Precise application.....	Pinpoint nozzle

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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>	5 to 45 seconds (see Table 1) *
<u>Specific Gravity:</u>	1.05	<u>Handling Time:</u>	Leave undisturbed for at least 5 minutes. For best results, allow full bond strength to develop overnight before handling.
<u>VOC Content:</u>	< 2% by weight, CARB < 20 g/l, SCAQMD rule 1168	<u>Max. Strength Cure Time:</u>	12 – 24* hours *Times are dependent on temperature, humidity, porosity of surface bonded and amount of adhesive used
<u>Flashpoint:</u>	176°F (80°C) to 200°F (93°C)	<u>Clean Up:</u>	Scrape away cured adhesive using a sharp-edged tool.



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Shelf Life:	21 months from date of manufacture (unopened)	Lot Code Explanation:	62944277 6 = Last Digit of Year of Manufacture 294 = Day of Manufacture based on 365 days per year For example: 6294 = October 1, 2016
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Typical Cured Performance Properties

Color:	Clear and colorless	Cured form:	Non-flammable, hard, solid.
Tensile Strength: ISO 4587	Varies from 290-2900 psi (2-20 N/mm ²) depending on the substrate (see Table 2). Cure Time: 12-24	Moisture Resistant:	Yes
Chemical Resistance:	Motor oil, leaded petrol, ethanol, isopropanol and Freon TA.	Dishwasher Safe:	No
Service Temperature:	Up to 180°F (82°C)		

Table 1:
Fixture Time to Develop a Shear Strength of 14.5 psi at 73°F

Substrates	Time (seconds)
Steel (degreased)	20 to 45
Aluminum	2 to 10
Zinc Dichromate	10 to 30
Neoprene	< 5
Rubber, Nitrile	< 5
ABS	1 to 2
PVC	3 to 10
Polycarbonate	5 to 10
Phenolic	< 2
Wood (Balsa)	< 1
Wood (Oak)	10 to 30
Wood (Pine)	10 to 20
Chipboard	5 to 10
Fabric	10 to 20
Leather	5 to 10
Paper	5 to 10

Table 2:
Lap Shear Strength Results after 72 hours at 73°F

Substrates	Shear Strength	
	psi	N/mm ²
Aluminum (etched)	290 to 1600	2 to 11
Steel (grit blasted)	2500 to 3500	17 to 24
Zinc Dichromate	70 to 290	0.5 to 2
ABS	1000 to 1300	7 to 9
PVC	1000 to 2000	7 to 16
Polycarbonate	1000 to 1600	7 to 11
Phenolic	150 to 730	1 to 5
Neoprene	150 to 290	1 to 2
Rubber, Nitrile	150 to 290	1 to 2

DIRECTIONS:

Tools Typically Required:

Tissue paper.

Safety Precautions:

Use in a well-ventilated area. Protect work area before and during use of the glue. Nitrile gloves and apron recommended. Do not use PVC, nylon, or cotton gloves. Skin contact may cause burns. Wash hands after use

Fingers Bonded? Apply cooking oil to bonded area of skin. Gently massage bonded fingers back and forth to "peel" apart. Use rolling, peeling motion – do not pull. Once apart use high moisture hand lotions to aid ion removal of excess glue from skin.

Preparation:

Surfaces to be bonded must be close fitting, clean, dry and free from oil, wax and paint. Protect work area. For best results, lightly roughen smooth surfaces. Pre-fit parts to be joined.

Application:

Twist off cap by turning counter-clockwise ¼ turn. Apply sparingly to one surface 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. Twist on cap to close and seal.

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 precautions.



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STORAGE AND DISPOSAL

Not damaged by freezing in the unopened container. Optimal shelf life is achieved when unopened container is stored from 36°F to 46°F (2°C to 8°C). After opening, it is not recommended that the product be stored cold or frozen. Once opened, the product is best stored tightly sealed, in an upright position, 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: Contains Cyanoacrylate. Can cause severe eye injury. **Bonds skin instantly. Skin contact may cause burns.** Harmful if swallowed. May cause allergic skin reaction. May cause delayed irritation and sensitization. Use in well ventilated area. Avoid contact with skin, eyes, and clothing. **DO NOT TAKE INTERNALLY.** Wash thoroughly after handling. **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 Safety Data Sheet (SDS) 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. 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.



Trusted Performance. Proven Results. For over 50 years, Loctite Brand adhesives and sealants have taken on the toughest jobs. Used in race cars, airplanes, and even in the space-shuttle, Loctite provides solutions for the most demanding industrial, and consumer applications. Loctite gives you not the specialization, power and performance to not only get your job done, but to get it done right.

For Technical Assistance call: 1-800-624-7767 – Mon-Fri - 9:00a – 4:00p ET
www.loctiteproducts.com



Loctite Brand is part of the Henkel family of brands. Founded in 1876, Henkel is a global leader in the consumer and industrial businesses. Henkel operates worldwide with leading brands and technologies in three business areas: Laundry & Home Care, Beauty Care and Adhesive Technologies.

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