

Super Glue Professional



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 with 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.

Available as:

Item #	Package	Size
1365882	Carded Bottle	20g
1597701	Carded Bottle	20g
1461229	Carded Bottle	20g

FEATURES & BENEFITS

- Dries Clear
- Fast Bonding
- Precision Application
- Strong Performance

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
- Do not use in dishwasher, oven, or microwave
- Not suitable for bonding assemblies which will hold hot liquids
- Do not use on glazed surfaces
- Not suitable for exterior applications
- Not suitable for repairs needing high flexibility or for gap-filling applications

TECHNICAL DATA

Typical Uncured Physical Properties		Typical Application Properties	
<u>Color:</u>	Clear and Colorless	<u>Application Temperature:</u>	Apply above 50°F (10°C)
<u>Appearance:</u>	Liquid	<u>Odor:</u>	Sharp, irritating (use in well-ventilated area)
<u>Base:</u>	Ethyl cyanoacrylate	<u>Fixture Time:</u>	5 - 45 seconds* (See Table 1)
<u>Flash Point:</u>	176°F (80°C) to 200°F (93°C)	<u>Handling Time:</u>	Leave undisturbed for at least 5 minutes. For best results, allow full bond strength to develop over night before handling.
<u>VOC Content:</u>	<2% by weight <20 g/l		
	CARB SCAQMD rule 1168	<u>Cure Time:</u>	12 – 24 hours*

* Times are dependent on temperature, humidity, porosity of surface bonded and amount of adhesive used.

TECHNICAL DATA

Clean Up: Clean up uncured residue with acetone. Scrape away cured adhesive using a sharp-edged tool. Follow solvent manufacturer's precautions for using solvents.

Shelf Life: From date of manufacture (unopened):
21 months

Lot Code Explanation:

YWWXXXXX (printed on bottom of bottle)
Y = Last digit of year of manufacture
WW = Week of manufacture based on 52 weeks in a year
XXXXX = Disregard
Example: 31274916 = 12th week of 2023 = March 20, 2023

Typical Cured Performance Properties

Color: Clear and Colorless **Service Temperature:** Up to 180°F (82°C)
Cured Form: Non-flammable, hard solid **Moisture resistance:** Yes

Chemical Resistance: Motor oil, leaded petrol, ethanol, isopropanol, and Freon TA

Tensile Shear Strength: Varies from 290-2900 psi (2-20 N/mm²) depending on the substrate (see Table 2) ISO 4587
12-24 hrs. cure

Table 1:

Fixture Time to Develop Shear Strength of 14.5 psi at 73°F

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

Table 2:

Lap Shear strength Results after 72 hours at 73°F

Substrates	Shear Strength	
	psi	N/mm ²
Aluminum (etched)	290 – 1600	2 – 11
Steel (grit blasted)	2500 – 3500	17 – 24
Zinc Dichromate	70 – 290	0.5 – 2
ABS	1000 – 1300	7 – 9
PVC	1000 – 2000	7 – 16
Polycarbonate	1000 – 1600	7 – 11
Phenolic	150 – 730	1 – 5
Neoprene	150 – 290	1 – 2
Rubber, Nitrile	150 – 290	1 – 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 message bonded fingers back and forth to “peel” bond apart. Use rolling, peeling motion – do not pull. Once apart use high moisture hand lotions to aid in removal of excess glue from skin. Keep in mind, adhesive may remain on fingers. With frequent use of moisturizing hand lotion, this will eventually be resolved over several days.

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.

NOTE: To prevent accidental spillage, do not squeeze bottle while removing cap to open.

DIRECTIONS

Application:

Twist off cap by turning counterclockwise 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. Clean up uncured residue with acetone. Follow solvent manufacturer's precautions for using solvents. Cured adhesive may be cut away with caution using a sharp blade. Note this may result in damage to surfaces.

STORAGE & DISPOSAL

Not damaged by freezing in the unopened container. 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: 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.

LIMITED WARRANTY

This product is warranted by Henkel Corporation to be free from defects in materials when used as directed. Henkel's sole obligation shall be, at its option, to replace or refund the purchase price of product proven to be defective. Henkel makes no other warranty – express or implied – including warranties of MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE and will not be liable for consequential or incidental damages. This Limited Warranty gives you specific legal rights, which vary from state to state. For warranty assistance, contact Henkel at 1.800.624.7767 M-F 9:00 am to 4:00 pm ET.



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, professional and consumer applications. LOCTITE gives you 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

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