

Super Glue Repositionable Gel



DESCRIPTION

LOCTITE® Super Glue Repositionable Gel 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 Repositionable Gel 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.

Available as:

Item #	Package	Size
2969427	Paper carded bottle	4g
2977715	Plastic carded bottle	4g

FEATURES & BENEFITS

- Extra time to align repairs
- Precise application
- Dries clear
- Sets in seconds
- No dripping

RECOMMENDED FOR

Use for repairing items such as figurines, costume jewelry, cameras, toys, and metal car parts. Bonds leather, paper, cardboard, wood, chipboard, metal, ceramic, some rubber compositions, and some hard plastics such as acrylic, polycarbonate, polystyrene and PVC. Ideal for vertical surfaces.

LIMITATIONS

- Do not use on polyethylene (PE), polypropylene (PP), polytetrafluoroethylene (PTFE), silicone or foam rubber, polystyrene foams, glass, very soft leathers 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>	Colorless to yellow	<u>Application Temperature:</u>	Apply above 50°F (10°C)
<u>Appearance:</u>		<u>Odor:</u>	Sharp, irritating (use in a well-ventilated area)
<u>Base:</u>	Ethyl cyanoacrylate	<u>Repositionable Time:</u>	10 – 15 seconds
<u>Flash Point:</u>	176°F (80°C) to 200°F (93°C)	<u>Fixture Time:</u>	15 – 120 seconds*
<u>Specific Gravity:</u>	1.1	<u>Handling Time:</u>	Leave undisturbed for at least 10 minutes. For best results, allow full bond strength to develop over night before handling.
<u>VOC Content:</u>	< 2% by weight < 20 g/l	<u>Cure Time:</u>	12 – 24 hours*
	CARB SCAQMD rule 1168		

* 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): 18 months	Lot Code Explanation: YDDDXX (printed on bottom of bottle) Y = Last digit of year of manufacture DDD = Day of manufacture based on 365 days in a year XX = Disregard Example: 306133 = 61 st day of 2023 = March 2, 2023

Typical Cured Performance Properties

Color:	Colorless to yellow	Service Temperature:	-4°F (-20°C) to 176°F (80°C)
Cured form:	Non-flammable, brittle solid	Moisture Resistance:	Yes
Tensile Shear Strength:	Varies from 1450-2900 psi (10-20 N/mm ²) Depending on the substrate (see Table 1)		ISO 4587 12-24 hrs. cure

Table 1: Fixture Time to Develop a Shear strength of 14.5 psi (0.1N/mm² at 73°F and 50% RH)

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

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 are 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, free from oil, wax, and paint, and have sufficient bonding area. 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.

Application:

To puncture nozzle, screw the cap clockwise continuously into the base until the clicking sound stops. Unscrew the cap counterclockwise to open the bottle. Squeeze the side grips to dispense adhesive onto one surface. Only one drop of adhesive per square inch of surface is required. Press surfaces together immediately and hold for 15 – 120 seconds. Do not attempt to reposition the parts. Immediately after use, clean applicator tip with tissue and replace cap. For increased strength, leave the parts undisturbed for at least 5 minutes and for best results allow to cure overnight. Full cure in 24 hours. **Note:** Cure time is dependent upon temperature, humidity, porosity of surfaces and amount of adhesive applied.

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, the product should not 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. Avoid contact with skin, eyes, and clothing. May cause severe eye injury. Bonds skin instantly and may cause allergic skin reaction. Skin contact through clothing may cause burns. Harmful if inhaled or swallowed. Avoid breathing vapors and use in a well-ventilated area. **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.

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