



# TECHNICAL DATA SHEET



## Super Glue Ultra Gel™

**Description:** LePage Ultra Gel Super Glue is a specially formulated rubber toughened instant adhesive that resists impact, shock, vibration and temperature extremes. It is ideal for bonds subject to daily use and harsh conditions. The rubber toughened formula is also outdoor safe and gives more time to align pieces before the glue takes hold. It is resistant to moisture and freezing temperatures. Ultra Gel Super Glue comes in a self-piercing tube, dries clear and sets without clamping.

**Available As:**

Item #	Size	Package
1852756	4 ml	Carded Tube

**Features & Benefits:**

- Rubber Toughened Formula is Great for Applications Requiring High Flexibility
- No Mess, No Drip Gel Formula is Ideal for Vertical Applications
- Dries Transparent for Invisible Repairs
- Sets in Seconds

**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 and for applications requiring flexibility.

**For Best Results:**

- Do not use on polyethylene (PE), polypropylene (PP), polytetrafluoroethylene (PTFE), silicone rubber, polystyrene foams or glass
- Do not use in dishwasher, oven or microwave
- Do not use for bonding assemblies which will hold hot liquids



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## Typical Uncured Physical Properties:

Color:	Clear and Colorless	
Appearance:	Gel	
Base:	Ethyl cyanoacrylate	
Odor:	Sharp, irritating (use in a well-ventilated area)	
Specific Gravity:	1.05	
Flash Point:	80°C (176°F) to 93.4°C (200°F)	
Viscosity:	Approx. 50,000 cps at 25°C (77°F)	
VOC Content:	<2% by weight	CARB
	<20 g/l	SCAQMD rule 1168
Shelf Life:	From date of manufacture (unopened) : 24 months 18 months	Stored at 2-8°C Stored at 20°C
Lot Code Explanation:	<b>YDDDXX</b>  Y= Last digit of year of manufacture DDD= Day of manufacture based on 365 days in a year XX = Disregard  Example: 4061 = 61 <sup>st</sup> day of 2014 = March 2, 2014	

## Typical Application Properties:

Application Temperature:	Apply above 10°C (50°F)
Fixture Time:	15-30 seconds*
Handling Time:	Leave undisturbed for at least 10 minutes.  For best results, allow full bond strength to develop overnight before handling.
Cure Time:	12 to 24 hours*  *Times are dependent on temperature, humidity, porosity of surface bonded and amount of adhesive used

## Typical Cured Performance Properties:

Color:	Clear and Colorless	
Cured Form:	Non-flammable, flexible solid	
Service Temperature:	Up to 82°C (180°F)	
Moisture Resistant:	Yes but not suitable for continuous water exposure	Conforms to EN204 D3 Water Resistance Standard
Tensile Shear Strength:	Varies from 15-25 N/mm <sup>2</sup> (2175-3625 psi)	ISO 4587
Aluminum:	21.12 N/mm <sup>2</sup> (3060 psi)	12-24 hours cure, depending on the substrate
Peel Strength, Aluminum:	2.5 N/mm (14.3 lb/in)	
Drops to Break Bonded Item:	>60 times	

## Directions:

### Tools Typically Required:

Tissue paper

### Safety Precautions:

Wear gloves and wash hands after use. Protect work area.

### 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:

Screw on nozzle assembly clockwise to pierce metal seal. Remove cap counter-clockwise, holding nozzle base. Only one drop of adhesive per square inch of surface is required. 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 10 minutes. Full cure in 24 hours. Note: Cure time is dependent upon temperature, humidity, porosity of surfaces and amount of adhesive applied.



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**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 & 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:**

**CAUTION. BONDS SKIN INSTANTLY.** Do not get in eyes or mouth or on skin. **KEEP OUT OF REACH OF CHILDREN. FIRST AID TREATMENT:** Contains cyanoacrylate. Eyelid bonding: See a doctor. Skin bonding: Soak skin in water and call the Poison Control Center. Do not force apart.

**Refer to 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.



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