



Technical Data Sheet



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Revision: 2
Issued: 22 January 2014
Number of pages: 02

LOCTITE Super Glue Power Gel - Control

Excels in precision bonding on various materials, from wood and metal to rubber and leather. Its unique rubber-infused gel formula ensures powerful, drip-free bonds, even on vertical surfaces.

CHARACTERISTICS

LOCTITE® Power Flex is a one-part instant liquid gel adhesive. It is designed for home-use and forms strong bonds between a wide range of common materials. The non-drip formula can be used on vertical or overhead surfaces. It is the ideal adhesive for bonding materials such as plastics, rubbers, metals, woods, ceramics, leather, fabrics, cardboard and paper.

LOCTITE® Power Flex is resistant to shocks and is perfect for applications where some flexibility is required. The product has been formulated to allow some repositioning time when making the bond. Power Flex conforms to the EN204 D3 standard for wood adhesives making it water resistant but not suitable for continuous exposure to moisture.

Bonding Speed: Initial adhesion in 10 to 30 seconds, depending on the substrate.

Bond Strengths (ISO 4587): 15 to 25 N/mm² (tensile shear) in 12 to 24 hours, depending on the substrate. It is water-resistant to EN204-D3 standard and ceramic bonds can withstand >50 dishwasher cycles (under controlled laboratory conditions).

INSTRUCTIONS FOR USE

1. Ensure all surfaces to be bonded are clean and dry and close-fitting.
2. Avoid skin contact with the glue.
3. Apply a minimum quantity of LOCTITE® Power Flex to one of the surfaces to be bonded.
4. Bring parts together immediately and hold by hand pressure for at least 1 minute.
5. Leave undisturbed for 10 minutes or preferably overnight to allow full bond strength to develop.
6. Avoid spillages and protect work surfaces. Remove cured residues of Power Flex with LOCTITE® Super Glue Remover.
7. For best results, the bonds should be prepared at room temperature (15-30°C) and a minimum 30% relative humidity.
8. For optimum product life, wipe the nozzle with a tissue to remove excess adhesive, replace cap and store the pack in a cool, dry place.



TECHNICAL DATA

Composition	Ethyl cyanoacrylate
Appearance	Clear gel
Density	1.1 g/cm ³ @ 20 °C
Viscosity	Non-drip Gel
Pack	3g tube
Safety	See SDS 1081573
Shelf Life at 2-8 °C	24 months unopened

LIMITATIONS

- ❑ Do not use on dusty, dirty or wet surfaces.
- ❑ Not suitable for bonding polypropylene, polyethylene, PTFE, silicone rubber, glass, glazed surfaces, very soft leather or foams.
- ❑ Never use for bonding assemblies that will hold hot liquids.
- ❑ Optimum bonding performance is achieved in dry conditions.

STORAGE

Store in a cool, dry place, out of reach of children.

HEALTH AND SAFETY

Before using the product please see related Material Safety Data Sheet that is available on request.

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