



# ALCOLIN SUPER GLUE

## Description

ALCOLIN SUPER GLUE is a fast setting, versatile, single component cyanoacrylate based adhesive formulated for strong instant bonding of well mated components such as metal, glass, ceramic, rubber and other non-porous parts.

## Features & Benefits

- Bonds instantly - instant repairs.
- High bond strength - lasting repairs.
- Versatile - bonds almost anything.
- One part - no mixing, easy to use.

## Applications

- Instant adhesive.
- Fix-it DIY glue.
- Handicraft applications.
- Precision bonding.
- Industrial manufacturing.

## Adhesion

ALCOLIN SUPER GLUE exhibits good adhesion to many non-porous substrates such as metal, glass, ceramic, neoprene rubber, and some plastics such as PVC, ABS, Polycarbonate.

## Limitations

- Not suitable for paper, plastics such as polyethylene, polypropylene and Teflon.
- Not suitable where flexible/elastic bonding or gap filling properties are required.

## Safety instructions

ALCOLIN SUPER GLUE is flammable. Keep away from naked flames and ignition sources. Safe handling practices should be implemented to avoid irritating sensitive skin. It is advisable to wear gloves in order to avoid direct skin contact. If glue comes into contact with skin or eyes, flush thoroughly and immediately with water. If irritation continues, seek medical attention. Glue is slippery when wet, so care should be taken when cleaning spillages that occur. Always work in a well ventilated area. Do not breathe in vapors. For unventilated areas, a NIOSH approved respirator will be necessary. Refer to our Safety Data Sheets for further toxicological information and comprehensive handling instructions.

## Surface preparation

- The surface coming into direct contact with the ALCOLIN SUPER GLUE must be clean, dry, free from all loose materials, dust, dirt, oil, rust and any other contaminants.
- If necessary, degrease surface with acetone.
- Do not roughen surfaces. For optimal bonding, ensure that surfaces are well mated.
- As a precaution, it should be remembered that poor surface preparation might result in bond failure.



# TECHNICAL DATA SHEET

## Directions for use

1. Ensure that surfaces are prepared as above.
2. Unscrew entire cap assembly and carefully pierce a small hole in the tube with the reverse end of cap. Replace cap immediately.
3. Apply one drop or smallest amount possible to one surface only. A thin glue film gives the strongest bond. **DO NOT SPREAD** - Super Glue will spread/level itself.
4. Press both surfaces together; wipe off excess with cloth, making sure that both substrates are well matched and tight fitting.
5. Keep pressed or held together for at least 30 seconds. **DO NOT MOVE OR REPOSITION** glued joint as this may impair final bond.
6. Setting speed is affected by the nature of the substrate, ambient humidity, and temperature. Cold weather and condition of low humidity will retard setting speed.
7. Note : Maximum bond strength is achieved after 12 hours (in most instances, after 30 minutes product may be handled).
8. After completion of job, wipe tip of plastic nozzle, replace cap tightly and store in a cool upright position.
9. To avoid adhesive whitening / blooming (caused by uncured super glue), always apply the smallest amount of glue, do not apply in hot temperatures or high humidity, and ensure a good airflow over the parts while assembling.

## Cleaning

- Uncured adhesive can be cleaned with a cloth wetted with acetone or nail polish remover.
- Cured adhesive can be removed mechanically with a sharp blade. Any remaining residue may be removed as above with acetone.

## Storage stability

ALCOLIN SUPER GLUE has a shelf life of at least 15 months if stored in a cool (below 21°C), dry place in its original moisture-tight container. We recommend storing in a refrigerator to lengthen the shelf life. Refrigerated packaging should be allowed to return to room temperature prior to use. If the material is kept beyond the recommended shelf life, it is not necessarily unusable, but a check should be performed to observe whether the product is still workable, apply-able and uncured.

## Product packaging

- 3 x 3g tubes

## Product data

### i. Physical data

Appearance	Clear, colourless liquid
Base/Type	Ethyl cyanoacrylate
Odour	Slight acid, odourless when cured
Solids	100%
Density	1.1g/cm <sup>3</sup>

### ii. Performance data

Setting time	10 to 60 seconds – dependent on nature of substrate, temperature, and humidity
Flash point	> 80°C
Service temperature range	Min. -20°C to max. +80°C
Water resistance	Good, prolonged immersion can decrease adhesive strength
Oil resistance	Very good resistance to motor oils
Solvent resistance	Ethanol, Iso Propanol
Acid / alkali resistance	Good, prolonged immersion can decrease adhesive strength
Gap filling properties	Less than 0.05 mm

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*The above information is only offered, as a guide to the use of this product. Furthermore, users should satisfy themselves that it is suitable for their needs. Since we have no control over the conditions under which it is used, we cannot accept responsibility for problems caused by the use and/or application of this product.*

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