

Technical Data Sheet

Supa Glue

Update

2014

DESCRIPTION

SUPA GLUE is a fast setting cyanoacrylic acid ester based adhesive that dries colourless.

SIZE AVAILABLE

Available in 3ml tube, 2g tube and 1ml x 3 tubes.

USES

Supa Glue will bond non-porous surfaces, metals, rubber, some plastics and wood etc.

TECHNICAL FEATURES

- Special multi-purpose formula allows Supa Glue to bond a variety of surfaces.
- Quick setting.
- Dries clear, therefore no mess.
- No mixing required.
- No clamping necessary.
- Heat resistant: approx 80°C maximum.
- Non toxic when set.
- Water-resistant.
- Application range: -55°C to +75°C.

TECHNICAL DETAILS

Typical Properties

Appearance	Slightly yellowish liquid. Dries to a colourless film
Grab Time	- 10 seconds on mild steel - 15 seconds on marine coachwood
Shear Strength	- 6MPa on mild steel
30 minutes cure (625 sq.mm)	- 4MPa on marine coachwood.
Viscosity	250 centipoise @ 25°C

Once open, Supa Glue has a limited shelf life (i.e. approximately 1 year provided the tip is wiped clean and the cap replaced securely after each use). Storing in a refrigerator can reduce the risk of hardening in the tube. Also leaving a pin stuck in the (cleaned) nozzle during storage can reduce the risk of the nozzle becoming clogged with cured adhesive which is difficult to clear.

LIMITATIONS

- Supa Glue is water resistant not water proof. Continual exposure to moisture will weaken the bond.
- Supa Glue is not flexible and has low impact resistance.
- Supa Glue vapour can produce a whitening effect in enclosed spaces. To avoid this use in well ventilated areas. The whitening effect can be removed by wiping with acetone. (First check that the solvent will not damage the surface.)
- Supa Glue's bond strength is excellent where surfaces to be bonded are a good fit.
- Supa Glue is not recommended for use on paper or leather nor on polyethylene, polypropylene or Teflon®. Supa Glue will not permanently bond glass or materials containing alkaline elements.

HOW TO USE

1. The seal at the end of the metal tube should be pierced carefully with the reverse end of the cap. Ensure that the tube is not squeezed while the seal is being pierced. Replace plastic nozzle.
2. Surfaces to be bonded should fit exactly and should be clean, dry and free of dust, dirt and grease.
3. Apply a drop of Supa Glue to only one of the surfaces to be joined. Use sparingly. Do NOT spread. (Note: One drop covers an area 25mm x 25mm)

KEEP FINGERS AWAY FROM EXCESS ADHESIVE SO THEY WILL NOT STICK TOGETHER.

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4. Quickly align both surfaces and apply slight pressure to ensure effective spreading and bond.

Should you fail to align the surfaces correctly, do not attempt to re-align them and bond together again. Keep apart and completely clean the surfaces (with acetone or nail polish remover). When dry, re-apply adhesive, re-align and bond again. (Please Note: NOT ALL Nail Polish Removers are ACETONE.)

Although the adhesive will grab after several minutes to provide sufficient bond strength for practical use, maximum bond strength is achieved after 12 hours.

5. Wipe tip of tube and replace cap.

CLEAN UP

When removing Supa Glue from the skin, it is recommended that the skin be soaked in warm to hot water to allow easy removal. It is not advisable to try to remove the cured adhesive by pulling and scraping the skin as this will only serve to damage the skin.

To remove from substrates, it is recommended that the material be soaked in a solution of acetone and water (i.e. 3 parts acetone to 1 part water).

Note: This method should only be used for substrates NOT adversely affected by exposure to solvents. Check a small area before use.

WARNINGS/FIRST AID

Avoid contact with skin and eyes and avoid breathing its vapour.

Supa Glue bonds on contact. Should fingers stick together, apply a solvent such as acetone to contact areas, then wash skin with water.

Do NOT use solvents in contact with eyes or open wounds. In case of eye contact, immediately flush with water and seek medical attention.

If poisoning occurs, seek medical attention.

Cured material is considered to be non-hazardous.

SHIPPING/STORAGE/DANGEROUS GOODS INFORMATION

Cyanoacrylate adhesives deteriorate on exposure to heat and ultraviolet light, and polymerisation occurs when exposed to atmospheric moisture. Store in a cool dry place and ensure tube is well sealed.

Not restricted.