技術說明書

# 犀利牌特快強力膠

發佈時間
2014

## *產品描述：*

犀利牌特快強力膠是一種快乾的氰基丙烯酸酯膠黏劑，乾後透明無色。

## *包裝：*

3毫升/支、2克/支及1毫升x3支裝

## *用途：*

特快強力膠可黏合非滲透性表面、金屬、橡膠、部份塑膠及木材等。

## *技術特性：*

- 特別配方令特快強力膠可黏合多重表面
- 快乾
- 乾後透明，不易弄髒
- 不需混合
- 不需使用夾具
- 耐熱：最高約80℃
- 乾後無毒性
- 抗水
- 施工溫度：-55℃至+75℃

## *技術參數：*

典型性能

| | |
|---|---|
| **外觀** | 淺黃色液體，乾後透明 |
| **附著時間** | - 10 秒 (於鋼鐵上)<br>- 15 秒 (於角瓣木上) |
| **剪切強度-30 分鐘固化(625 平方毫米)** | - 6MPa (於鋼鐵上)<br>- 4MPa (於角瓣木上) |
| **黏度** | 250cP @ 25℃ |

特快強力膠開啟後只能維持有限的保質期(如使用後抹淨管咀及蓋好帽蓋，保質期約可達一年)。儲存於雪櫃中可減低強力膠在支管內硬化的風險。強力膠固化後難以清除，儲存時把刺針置於乾淨的管咀內可減低管咀阻塞的風險。

## *應用限制：*

- 特快強力膠抗水但不防水。持續性與水接觸會導致黏力變弱。
- 特快強力膠不具彈性及耐衝擊性低。
- 特快強力膠的氣體會於密封空間產生白化效果。如要避免，請於通風良好的地方使用。白化效果可用丙酮擦走(請先檢查溶劑不會破壞物料表面)。
- 要達至最佳黏合效果，接合表面需完全吻合。
- 特快強力膠不推薦用於紙張、皮革、聚乙烯、聚丙烯及特氟龍®。特快強力膠不能持久黏合玻璃及含有鹼性成份的物料。

## *使用方法：*

1. 用帽蓋上的刺咀小心將封口刺開。請確保刺開封口時支管沒有被擠壓。接上塑膠管咀。
2. 待黏合的表面應保持清潔，乾淨及無灰塵、污漬及油脂。
3. 滴一滴特快強力膠於任何一邊需黏合的表面上。每次請使用少量。請勿塗開。
   (注意：一滴強力膠可覆蓋25x25毫米的範圍)

請將手指遠離多餘的強力膠以避免黏接在一起。

4. 快速將黏接面對齊並輕加壓力以確保有效鋪展及黏合。
   若未能妥善黏接，請勿嘗試再將黏接面黏合。請先將黏合面分開並徹低清潔乾淨 (用丙酮或洗甲水)。抹乾後，再用強力膠黏合及調整。
   (請注意：並非所有洗甲水均為丙酮)

   雖然強力膠能於施工數分鐘後快速黏合物面，並提供足夠的黏合強度以供一般使用，但最高黏合強度需於施工12小時後才能達至。

5. 抹乾淨管咀並蓋回蓋子。



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## *清潔：*

如需清潔皮膚上的特快強力膠，建議將皮膚浸於暖水或熱水中以便清除。為避免傷害皮膚，請勿不適當地將固化的強力膠從皮膚上扯走或擦走。

如需清潔底材上的特快強力膠，建議將物料浸於丙酮及清水的溶劑 (按比例3份丙酮加入1份水)中。

注意：此方法只可用於不受溶劑影響之物料。使用前請先在不顯眼地方測試。

## *警告/安全指引：*

避免與皮膚及眼睛接觸；避免吸入氣體。

特快強力膠一觸即黏。如手指被黏合一起，請用丙酮抹黏合位置，再用清水沖洗。

請勿將溶劑與眼睛或傷口接觸。如不慎觸及眼睛，請立即用清水沖洗並尋求醫生建議。

如發生中毒情況，請尋求醫生建議。

固化後的強力膠是無危險性的。

## *運輸/儲存/危險品資訊：*

氰基丙烯酸酯膠黏劑會因熱力及紫外線而變壞，而空氣中的濕氣亦會引發聚合反應。宜儲存於陰涼乾燥處及確保管咀密封。

無限制



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## 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℃ maximum.
- Non toxic when set.
- Water-resistant.
- Application range: -55℃ to +75℃.

## TECHNICAL DETAILS
Typical Properties

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

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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# Supa Glue



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.



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