



# **TECHNICAL INFORMATION**

## **CA 200**

### **High Temperature Speciality Cyanoacrylate.**

#### **DESCRIPTION**

CA 200 is unmatched in performances when compared to Ethyl, Ethoxy and Methyl Cyanoacrylates where maximum temperature reaches only 120C, with significantly reduced % of ultimate bond strength.

CA200 out performs all other Cyanoacrylates for Temperature Resistance.

#### **APPLICATIONS**

Intermittent or constant exposure to elevated temperatures, extremes of temperatures up to 200C. Post curing to an even Higher Strength @ 175C to form Temperature Resistant bonds on most Metals, Rubbers etc.

#### **USEFUL HINTS/NOTES**

Use CA200 to hold components in place on circuit boards where wave soldering temperatures kill other superglues.

#### **PROPERTIES**

When heating up items after bonding, 30 minutes @ 150C above will increase strength by 40% of cold bond strength and influence the products long term resistance to its fullest once cured.

#### **INSTRUCTIONS FOR USE**

Ensure parts are clean, dry and free from oil and grease.

#### **PROCEDURE FOR APPLICATION**

Apply sparingly to one side and hold parts until handling strength is achieved.

#### **COMPATIBLE ACCELERATORS/PRIMERS**

Not recommended, but the following primers such as A021 or Double Strength A113 as accelerators for fillet cure for priming absorbent surfaces will help speed cure the material.

#### **TECHNICAL FEATURES**

Resin.....	Allyl 2 Cyanoacrylate
Colour.....	Clear
Cure Speed With Activator.....	Not recommended
Cure Speed Without Activator.....	<30 seconds
Viscosity.....	6-20cps
Gap Fill.....	0.05 mm
Flash Point.....	>90°C
Shelf Life.....	12 months @ 20C
Specific Gravity.....	1.06
Max. Operating Temperature.....	-30°C to + 200°C

#### **CURED PERFORMANCE**

Fixture Time:.....	<40 seconds
Refractive Index:.....	1.46
Dielectric Constant:.....	3.5 @ 10kHz
Volume Resistivity:.....	8.6 x 10(2) Ohm.cm
Post Cure @ 175C.....	10 minutes
Tensile Strength:.....	36 N/mm <sup>2</sup>
Tensile Shear Strength - Steel;.....	22 N/mm <sup>2</sup>
- Plastic.....	35 N/mm <sup>2</sup>
- Viton.....	8 N/mm <sup>2</sup> *

\*Substrate Failure

#### **STORAGE**

Store in a cool area out of direct sunlight  
Refrigeration to 5C gives optimum storage stability.

#### **PRESENTATION**

Bottles:.....20g, 50g, 500g

#### **HEALTH & SAFETY IN USE**

**DANGER** -Superglue bonds skin and eyes in seconds.

If accidental skin bonding happens wash with warm soapy water and prise skin apart using a blunt instrument (such as a teaspoon handle).

In case of eye contact, bathe immediately with water and seek immediate medical attention.

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