



## **GLUE GENIUS + BRUSH-ON SUPER GLUE KIT**

**78GENS9089**

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### **PRODUCT DESCRIPTION:**

The real genius in GLUEANGEL DELICATE TOUCH GLUE GENIUS is found in the advanced technological combination of activator and adhesive – resulting in speed that makes super glue look not-so super, and bond strengths powerful enough to replace screws and nails.

### **APPLICATION:**

- Sets in under 15 seconds!
- So versatile that it can join or repair virtually any material including: MDF, wood, chipboard, most plastics, most metals, rubber, leather, ceramics, glass and polyurethane.
- Ideal for industrial and home applications, cornice and mitre joints, skirtings, door trim, melamine end strips, picture frames and wood flooring.

### **TECHNICAL INFORMATION:**

Chemical Structure: Solvent based aerosol activator and cyanoacrylate  
 Appearance: Clear  
 Odour: Characteristic

### **DIRECTIONS:**

- Spray ACTIVATOR onto one surface. Allow to evaporate.
- Apply ADHESIVE onto other surface.
- Join surfaces and hold of 10 seconds.



**PACKAGING:**

ADHESIVE 50g plastic bottle and 200ml ACTIVATOR aerosol can (12 per box).

**STORAGE AND SHELF LIFE:**

GLUEANGEL DELICATE TOUCH GLUE GENIUS KIT has a shelf life of 12 months (the expiry date is shown on the packaging), when stored at a temperature between +41°F to +77°F (+5°C to +25°C) in its original unopened packaging.

**CAUTION:**

- Flammable. Do not spray near open flame or incandescent material.
- Ensure good ventilation during use.
- Contents under pressure. Do not puncture, incinerate, or expose to temperatures above 122°F (50°C), even when empty.
- Avoid contact with skin and eyes. If contact with eyes occurs, flush immediately with plenty of clean water and seek medical attention.
- Do not breathe vapor/spray.
- Keep out of reach of children.

**HEALTH AND SAFETY:**

For more information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet containing, physical, ecological, and toxicological and other safety related data.





**BRUSH-ON  
SUPER GLUE**

**78SUPG9090**

**PRODUCT DESCRIPTION:**

GLUEANGEL DELICATE TOUCH BRUSH-ON SUPER GLUE is a general industrial grade Cyanoacrylate adhesive with fast setting, and good flow ability. It has been specially formulated to achieve the strongest possible bond between well-mated, non-porous surfaces, such as rubber O-rings as well as other rubber and plastics parts.

GLUEANGEL DELICATE TOUCH BRUSH-ON SUPER GLUE is a one-component, solvent-free adhesive manufactured without the use of hydroquinone. It is a moderately flexible medium viscosity cyanoacrylate and does not require the use of a catalyst, heat or clamps. When a thin layer of BRUSH-ON SUPER GLUE applied between two surfaces comes into contact with atmospheric moisture, a rapid polymerization occurs producing the ultimate bond.

**TYPICAL PROPERTIES OF UNCURED MATERIAL:**

Base	Ethyl Cyanoacrylate
Colour	Transparent, colourless to yellowish liquid
Specific Gravity @ 25°C	1.10
Refractive Index (n D 20)	1.439
Flash Point	See SDS
Vapour Pressure	(hPa) < 1
Viscosity (cP), 25°C	80 – 120
Shelf life	12 months
Storage Life Below 5°C	14-16 months



## TECHNICAL DATA SHEET

### CURING PERFORMANCE :

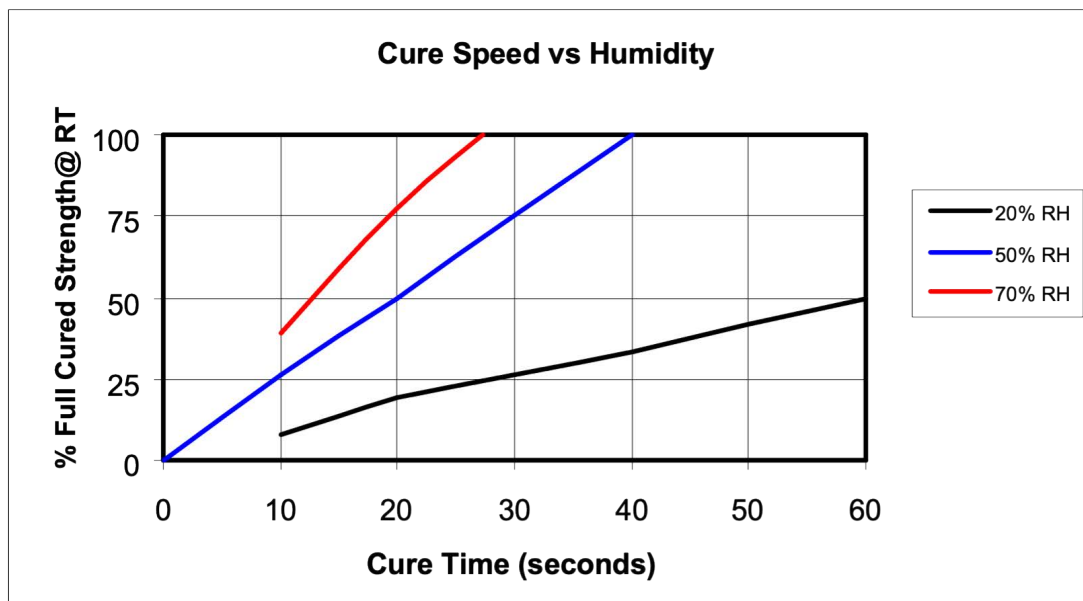
There are many factors that can influence the rate of cure. These include: the types of substrate used, the condition of the surface to be bonded, the smoothness of the surface, the closeness of the surfaces, the atmospheric conditions etc.

### CURE SPEED / SUBSTRATE

Steel to Steel	20 – 55 seconds
Stainless Steel	30 – 90 seconds
Aluminum	10 – 30 seconds
Zinc plated	40 – 90 seconds
ABS to ABS	15 – 45 seconds
ABS to NBR	5 – 15 seconds
ABS to Wood	5 – 10 seconds
NBR to NBR	5 – 10 seconds
Polycarbonate	20 – 60 seconds

### CURE SPEED / HUMIDITY:

The following graph shows the tensile strength developed at different levels of humidity.





## TECHNICAL DATA SHEET

### CURE SPEED / BOND GAP:

GLUEANGEL DELICATE TOUCH BRUSH-ON SUPER GLUE applied in a very thin line in order to ensure rapid polymerisation and a strong bond. Excessive bond gaps will result in slower cure speeds. Activators may be used to greatly increase cure speeds.

### TYPICAL PROPERTIES OF CURED MATERIAL:

<b>Physical Properties</b>	
Color	Clear
Coefficient of Thermal Expansion (K <sup>-1</sup> )	100 x 10 <sup>-6</sup>
Coefficient of Thermal Conductivity (W/m.K)	0.10
Softening Point	165°C
<b>Physical Properties</b>	
Volume Resistivity (Ω.cm)	1 x 10 <sup>16</sup>
Surface Resistivity (Ω)	1 x 10 <sup>16</sup>
Dielectric Constant @ 10 kHz	2.75
Dielectric Dissipation Factor @ 10 kHz	<0.02
Dielectric Breakdown Strength (kV/mm)	25

### ADHESIVE PERFORMANCE :

After 24 hours at 25°C

<b>Tensile Strength</b>	
Steel	190 – 210 kg/ cm <sup>2</sup>
Stainless Steel	250 – 450 kg/ cm <sup>2</sup>
Aluminum	170 – 190 kg/ cm <sup>2</sup>
Copper	150 – 170 kg/ cm <sup>2</sup>
PVC	40 – 60 kg/ cm <sup>2</sup>
ABS	50 – 70 kg/ cm <sup>2</sup>
Polycarbonate	80 – 120 kg/ cm <sup>2</sup>
Polystyrene	30 – 45 kg/ cm <sup>2</sup>
NBR	5 – 9 kg/ cm <sup>2</sup>
SBR	5 – 10 kg/ cm <sup>2</sup>

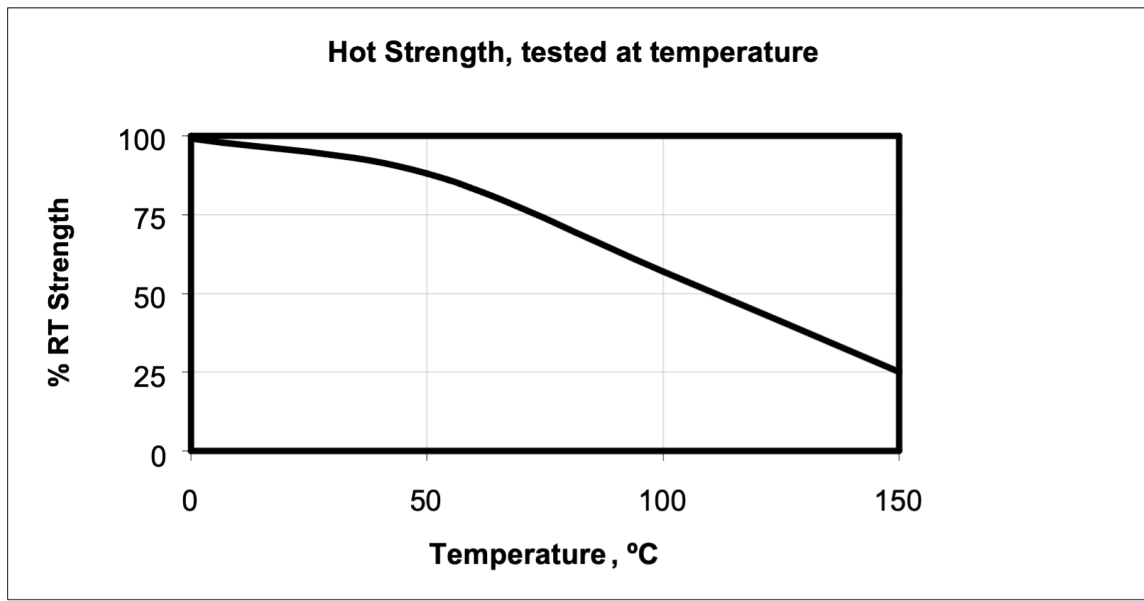




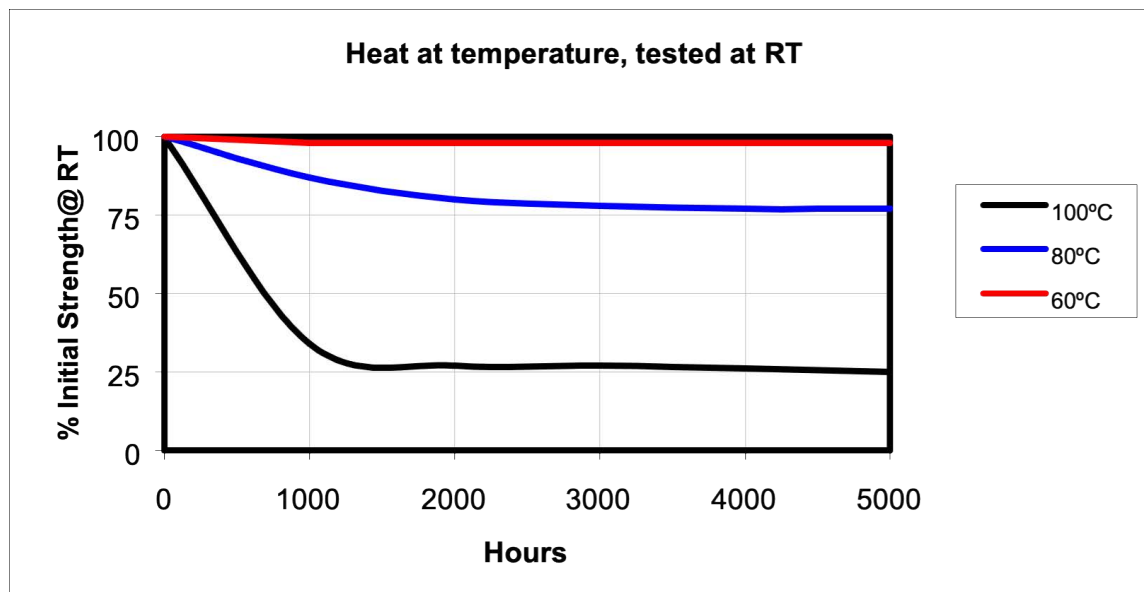
**TECHNICAL DATA SHEET**

**TYPICAL ENVIRONMENTAL RESISTANCE**

**Hot Strength:**



**Heat Aging:**





## TECHNICAL DATA SHEET

### DIRECTIONS FOR USE :

- Ensure surfaces to be joined are clean, dry and grease-free.
- Apply GLUEANGEL Super Glue to one surface only.
- Join surfaces immediately and apply pressure for 30 seconds.
- Replace cap and store out on sunlight in a refrigerator for maximum product life.

### STORAGE AND SHELF LIFE:

GLUEANGEL DELICATE TOUCH BRUSH-ON SUPER GLUE has a shelf life of 12 months (the expiry date is shown on the packaging), when stored at a temperature between 2°C and 8°C in its original unopened packaging. Refrigeration at 5°C gives optimum storage stability. Temperatures less than 2°C can adversely affect product properties. Do not freeze.

**Storage:** Store in a cool, dry area out of direct sunlight. Keep container tightly closed until ready for use.

**Handling:** Material removed from containers may be contaminated during use. Do not pour back any product to the original container. Misuse of product will void all warranties.

### CAUTIONS:

- Contains Cyanoacrylate Adhesive and can bond skin and eyes in seconds.
- In case of eye contact. Flush with water and seek medical attention.
- If skin bonding occurs, soak in warm soapy water or acetone.
- Keep out of reach of children.
- Contact through clothing may cause exothermic reaction and burning (See SDS).
- Store in a cool, dry place at 20-25°C (68-77°F). For long-term storage, refrigeration (2°C or 35°F) is recommended.

### PACKAGING:

8g brush-on blister pack





## TECHNICAL DATA SHEET

### DISCLAIMER:

The data contained herein are furnished for informational purposes only and are believed to be reliable. However, National Adhesive Inc does not assume responsibility for any results obtained by persons over whose methods National Adhesive Inc has no control. It is the user's responsibility to determine the suitability of National Adhesive Inc products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any National Adhesive Inc products. National Adhesive Inc specifically disclaims all warranties express or implied, including warranties of saleability and suitability for a particular purpose arising from sale or use of National Adhesive Inc products. National Adhesive Inc further disclaims any liability for consequential or incremental damages of any kind including lost profits.

