

## RITETITE CONTROL SUPER GLUE

This gel super glue is a single component extremely rapid bonding adhesive. Ritetite Control is made using a specially designed thixotropic formula that polymerizes (hardens) instantly by absorbing surface moisture. These fast-curing qualities make it a great solution for high-speed industrial production, where there's a need for a gel-like, viscous adhesive that doesn't spread or leak the way normal super glue does.

Because of the thick gel consistency, Ritetite Control works especially well in poor fitting applications such as rough metal or ceramic repair, unfinished metal to metal bonding and metal to rubber.

### PROPERTIES IN LIQUID STATE

<b>BASE COMPOUND (RESIN)</b>	ETHYL CYANOACRYLATE
<b>APPEARANCE</b>	CLEAR VISCOUS GEL
<b>VISCOCITY Cp</b>	N/A DUE TO ITS THIXOTROPIC FORMULA
<b>SPECIFIC GRAVITY</b>	1.05
<b>FLASH POINT</b>	80°C TO 95°C

### PROPERTIES IN CURED STATE

<b>APPEARANCE</b>	TRANSLUCENT HARD
<b>SOFTENING TEMPERATURE</b>	150°C
<b>SERVICE TEMPERATURE</b>	-20°C TO 75°C
<b>HARDNESS BARCOL</b>	65
<b>DIELECTRIC CONSTANT AT 1MHZ</b>	3.33
<b>SPECIFIC RESISTANCE</b>	8.6 X 10 <sup>2</sup> OHM/CM
<b>STRENGTH PSI – TENSILE SHEAR</b>	3,200
<b>GAP FILL</b>	0.029"

### MATERIALS SET UP TIME

<b>ALUMINIUM TO ALUMINIUM</b>	20 TO 30 SECONDS
<b>STEEL TO STEEL</b>	30 TO 60 SECONDS
<b>PHENOLIC TO PHENOLIC</b>	>90 SECONDS
<b>POLYCARBONATE TO POLYCARBONATE</b>	20 TO 45 SECONDS
<b>RUBBER TO RUBBER</b>	5 TO 20 SECONDS

## SURFACE PREPARATION PRIOR TO BONDING

Surfaces should be clean, dry and grease-free before applying the adhesive. Use a suitable solvent (such as acetone or isopropanol) for the degreasing of surfaces. Some metals such as aluminium, copper and its alloys will benefit from light abrasion with emery cloth (or similar), to remove the oxide layer.

## DIRECTIONS OF USE

Apply the adhesive sparingly to one surface.

Then, bring the components together quickly and correctly aligned.

Apply sufficient pressure to ensure the adhesive spreads into a thin film.

Do not disturb or re-align until sufficient strength is achieved, normally in a few seconds.

Remove any surplus adhesive solvent, nitromethane, or acetone.

### **NB:**

For difficult or porous surfaces using a Ritetite activator is recommended. If bonding polypropylene, polyethylene, PTFE or silicone, prime first with a suitable primer.

## STORAGE AND SHELF LIFE

The shelf life of the products is 12 months, when stored at 18-25 °C at 30-70% relative humidity and out of direct sunlight, in good packaging.

## WARRANTY AND GUARANTEE

Rite Adhesives warrants that this product complies, within its shelf life, to the specifications mentioned in this technical data sheet.

## HEALTH AND SAFETY

Product Safety Data Sheet must be read and understood before use.