

# tech sheet

## Cyanoacrylate PR-51 for Plastic/Rubber

### DESCRIPTION

RiteLok Instant Superglue Alkyl Cyanoacrylate bonds almost immediately on contact. Instant Superglue is general purpose superglue designed to bond most metals, plastics, rubbers and ceramics. Cure times vary according to the materials being bonded, but most combinations are very fast, fixing in 2-5 seconds.

### APPLICATIONS

Because Instant Superglue is the most common superglue in use, the applications are many. Typical applications are in magnets, loud speaker parts, lamp-shades, plastic fans to plastic motor housings, cord rubber "O" Rings. Instant Superglue is also used widely in the electronics industry and the white goods industry.

### USEFUL HINTS/NOTES

Always apply to clean, well fitting surfaces. Place the adhesive sparingly on one surface only. Bring the parts together under a firm pressure until the adhesive cures.

### PROPERTIES

Low Viscosity

Speed: . . . . . Metal/Metal <15seconds  
Plastic/Plastic <10 seconds  
Rubber/Rubber <5 seconds

### INSTRUCTIONS FOR USE

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

### PROCEDURE FOR APPLICATION

Product is normally hand applied from the bottle. Apply sparingly to one side and hold parts until handling strength is achieved.

### COMPATIBLE ACCELERATORS/PRIMER

Activators can be used for fillet cure or for priming absorbent surfaces. PR 40 INSTANT SUPERGLUE Plastic & Rubber CA

### TECHNICAL FEATURES

Resin: . . . . . Alkyl Cyanoacrylate  
Color: . . . . . Clear  
Cure Speed with Activator: . . . . . < 5 seconds  
Cure Speed without Activator: . . . . . 15-40 seconds  
Viscosity (Thixotropic): . . . . . 50 cps  
Gap Fill: . . . . . .004"  
Flash Point: . . . . . >185F  
Shelf Life: . . . . . 12 months @ 40F  
Specific Gravity: . . . . . 1.06  
Max. Operating Temperature: . . . . . -65 F to + 180 F

### CURED PERFORMANCE

Full Cure Time: . . . . . 24 hours @ 68F  
Tensile Shear Strength: . . . . . 2500-4175 psi

### STORAGE

Store in a cool area out of direct sunlight. Refrigeration to 40 F gives optimum storage stability.

### PRESENTATION

Bottles: . . . . . 1oz & 1lb

### HEALTH & SAFETY IN USE

DANGER: Superglue bonds skin and eyes in seconds. If accidental skin bonding happens, wash with warm soapy water and pry skin apart using a blunt instrument (such as a teaspoon handle). In case of eye contact, bath immediately with water and seek immediate medical attention.

REVISED 01/22/04  
TDSR40

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