

## RITETITE TURBO SUPER GLUE

Ritetite Turbo is a one component extremely rapid bonding adhesive. It is designed to instantly polymerise by absorbing surface moisture. These fast-curing qualities make it a great solution for high-speed industrial production, where there's a need for an ultra-rapid-acting adhesive that lacks consistency and viscosity.

### PROPERTIES IN LIQUID STATE

BASE COMPOUND (RESIN)	ETHYL CYANOACRYLATE
APPEARANCE	CLEAR LIQUID
VISCOCITY Cp	90 TO 110
SPECIFIC GRAVITY	1.05
FLASH POINT	80°C TO 95°C

### PROPERTIES IN CURED STATE

APPEARANCE	CLEAR HARD
SOFTENING TEMPERATURE	150°C
SERVICE TEMPERATURE	-20°C TO 75°C
HARDNESS BARCOL	65
DIELECTRIC CONSTANT AT 1MHZ	3.33
SPECIFIC RESISTANCE	8.6 X 10 <sup>2</sup> OHM/CM
STRENGTH PSI – TENSILE SHEAR	2,500
GAP FILL	0.005"

### MATERIALS SET UP TIME

ALUMINIUM TO ALUMINIUM	5 TO 10 SECONDS
STEEL TO STEEL	10 TO 30 SECONDS
PHENOLIC TO PHENOLIC	5 TO 10 SECONDS
POLYCARBONATE TO POLYCARBONATE	5 TO 15 SECONDS
RUBBER TO RUBBER	LESS THAN 5 SECONDS

The above information is given in good faith, but the user should assure himself that the performance of the product is sufficient for his application. The quoted values are average and should not be taken as maximum or minimum values for specific purposes. Eurotech/Rite Adhesives cannot be held responsible for product failure unless full testing has been carried out. The client has to decide on the tape suitability for their own applications.

## **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.