



# TECHNICAL DATA SHEET

## SuperGlue

**ThistleBond 'SuperGlue'** is a high performance adhesive designed to give fast cures on the majority of industrial substrates including ceramics, wood, plastics, rubber, metal, leather, textiles, etc.

**ThistleBond 'SuperGlue'** is based on a specially selected ethyl cyanacrylate resin system which produces a rapid curing system with optimum adhesion properties and has excellent humidity resistance.

**ThistleBond 'SuperGlue'** is simple, safe and easy to use and cures very rapidly at room temperatures, maintains its strength at low temperatures. The product is solvent free leaving no residue.

**Before proceeding, please read the following information carefully to ensure that the correct application procedure is fully understood.**

### SURFACE PREPARATION

Remove all heavy deposits of grease, oil, dirt and other contaminants by either solvent wiping, cleaning with industrial degreasers or by using hot aqueous baths.

### MIXING

**ThistleBond 'SuperGlue'** is supplied ready for use and requires no mixing, however shaking the product to incorporate any slight separation is advised before use.

### APPLICATION

Apply a drop of the **ThistleBond 'SuperGlue'** directly to one of the surfaces to be bonded. Assemble immediately, light contact pressure is needed to prevent movement and minimise bond gap. Hold or clamp parts together for 60 seconds. Leave for 1 hour to fully cure.

A small amount of **ThistleBond 'SuperGlue'** should flow out of the edges to show there is adequate gap filling.

### PHYSICAL CONSTANTS

**Mixing Ratio** Supplied ready for use.

**Appearance** Clear liquid.

#### Drying and Cure Times at 20°C/68°F

Substrate	Cure Time
Rubber	1-5 Seconds
Metals	5-30 Seconds
Plastics	2 - 20 Seconds
Full Cure	1 Hour

**Volume Solids** 100%

**V.O.C.** Nil

**Shelf Life** Use within 6 months of purchase. Store in original sealed containers at temperatures between 5°C (40°F) and 30°C (86°F) away from direct sunlight. The shelf life can be extended to 12 months if stored between 0°C (32°F) and 5°C (40°F).

### PHYSICAL PROPERTIES

**Tensile Strength** 250 daN/cm<sup>2</sup>  
**Tensile Shear** 130-175 daN/cm<sup>2</sup>  
**Operating Temperature** -60°C to +90°C  
 (-76°F to +194°F)

## HEALTH AND SAFETY

As long as normal good practices are observed The **ThistleBond 'SuperGlue'** can be safely used.

Safety glasses should be worn.

A fully detailed **Material Safety Data Sheet** is either included with the material or is available on request.

## PACKAGING

Supplied in 10gm units.

The information provided in this Product Data Sheet is intended as a general guide only and should not be used for specification purposes. The information is given in good faith but we assume no responsibility for the use made of the product or this information because this is outside the control of the company. Users should determine the suitability of the product for their own particular purposes by their own tests. Detailed specifications are available on request from the company.

FOR FURTHER INFORMATION PLEASE CONTACT



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