

# TECHNICAL DATASHEET

## High Viscosity Superglue

### Description & Uses

AlphaChem High Viscosity Superglue is formulated specifically for superior bonding performance on a wide range of plastics and rubbers where a fast cure speed is required. Also suitable for bonding wood, paper, leather, metals and other common substrates.

Ideal for use on close fitting parts and smooth, even surfaces, AlphaChem Superglue also features enhanced gap filling properties so that it can even be used on surfaces that do not fit together perfectly.

Ideal for use with AlphaChem PVCu Activator.

### Directions

- The bond speed of AlphaChem Superglue is exceptionally fast so please ensure that all parts are properly aligned before bonding.
- Ensure all substrates are clean, dry and free from any surface corrosion, oil and grease.
- Apply sparingly to one surface, in a thin line and press the 2 parts firmly together until handling strength is achieved.
- With AlphaChem Superglue less is more, over application can slow cure speed and lower the bond strength.

### Clean Up

Cured cyanoacrylate can be removed from most substrates and parts disassembled with a suitable superglue debonder. It is not possible to remove cyanoacrylate from fabrics.

### Storage

Store in cool, dry conditions, away from direct sunlight. Refrigeration to 5°C gives optimum storage stability.

### Shelf Life

12 months when stored in original, unopened packaging.

### Limitations

It is the user's responsibility to ensure suitability for use.

**Please read the label prior to use as it contains essential health and safety information. Safety Data Sheet is available on request which contains further information.**



## Typical Curing Performance

Substrate	Cure Time (seconds)
Steel (degreased)	<60
Rubber	<20
ABS	<20
Wood (Balsa)	<6

The speed of cure of cyanoacrylates varies according to the substrates to be bonded. Acidic surfaces such as leather and paper have longer cure times than most plastics and rubbers. Some low surface energy plastics such as polyethylene, polypropylene and PTFE we would advise the use of a primer. Strength development -after 2 minutes on steel ~50% of final strength.

## Technical Data

Chemical type	Ethyl
Appearance	Clear Liquid
Specific Gravity	1.10
Viscosity	Range cPs 1275-1650 Typical value cPs 1500
Tensile Strength	After 24 Hours 20 N/mm <sup>2</sup>
Fixture Time	20-100 seconds
Full cure	24 Hours at 20°C
Max Gap Fill	0.20mm
Flash Point	>85°C
Temperature range	-50 to +80°C

## Further Information:

In the event of further queries or problems concerning the use of this product, please contact the address below, e-mail [info@cromar.uk.com](mailto:info@cromar.uk.com).

*All products should be sold in accordance with the manufacturer's instructions. The manufacturer cannot be held responsible where conditions of use are beyond our control. Cromar Building Products Limited products' are available for sale in accordance with Cromar Building Products Limited standard conditions of sale, which is available upon request. Whilst any information contained herein is to the best of our knowledge true and accurate, no warranty is given or implied in connection with any recommendations, agents, or distributors, as the conditions of use and any labour involved are beyond our control. Our warranty is therefore limited to the quality of supplied product.*