



Never compromise on quality!

Published: April 2011

SUPERGLUE

HVC16 High Viscosity Adhesive

Description

A high viscosity ethyl cyanoacrylate adhesive with gap filling properties.

HVC16 combines high tensile strength with improved impact resistance resulting in a toughened bond.

HVC16 higher viscosity enables it to be used on porous and vertical surfaces without excessive penetration or running.

Uses

Bond It **HVC16 SUPERGLUE** can be used for bonding:

- ◆ PVCu trims
- ◆ rubbers
- ◆ timbers
- ◆ many plastics

The high viscosity is particularly suitable for use with foam products.

Preparation

Surfaces to be bonded must be clean, dry and free from dust, grease, oil or any other contaminants that may hinder adhesion.

Application

HVC16 permits readjustment of components before bonding commences.

Apply a thin film to one side only and bring together immediately. Reposition within 2-3 seconds. Maintain light pressure without movement of joint for at least 10 seconds, do not handle until bonding time stated above has expired. Clamp or hold for a few seconds.

As the polymerisation of cyanoacrylates is initiated by moisture from the atmosphere best results will be obtained if the relative humidity is in excess of 50%. Higher levels of humidity reduce the opportunity for monomer evaporation thus limiting fume build up. If bonding is continuous process good ventilation must be ensured.

Limitations

Not suitable for permanent glass bonding.
Oily or greasy surfaces cannot be bonded.
Olefinic or fluoro polymers may require specialised bonding techniques.

Storage Conditions

Store in a closed upright container between 3 and 20°C in dry dark conditions. At low temperatures the shelf life will be prolonged.

Shelf Life

Minimum shelf life 6 months.

Disposal of Containers

Do not leave empty containers where residue could be harmful to children, animals or the environment. Replace lids and remove any containers to a central disposal point in accordance with local regulations.

Health & Safety

Cyanoacrylate

Danger

Bonds skin and eyes in seconds

- ◆ Flammable.
- ◆ Avoid eye contact. Will bond skin and eyes in seconds. In the event of contact wash with running water for 15 minutes and seek medical attention.
- ◆ Ensure good ventilation.
- ◆ Avoid contact with skin. Wear gloves. Drench with water, do not touch anything. Do not try to prise apart. It is probable that natural skin oils will cause the bond to fail. If glued skin stays stuck, seek medical advice
- ◆ Thoroughly wash hands with soap and water after use.
- ◆ Keep out of reach of children.
- ◆ See separate material safety data sheet for full handling, use and storage.

Specification Summary

Chemical Composition	Ethyl Cyanoacrylate
Flash Point	>85°C
Flammability	Capable of combustion
Boiling Point	>150°C
Solubility in Water	Polymerises
Grab	Very high initial grab
Appearance	Colourless liquid of medium viscosity
Viscosity	1000-1500 mPa.s
Specific Gravity	1.05 g/ml
<u>CURED ADHESIVE</u>	
Service Temperature Range	+ 55 to 80°C

Cure speed and adhesive property info available on request from our technical department

Container Sizes:

Code:	HVC1620	HVC1650
Size:	20g	50g
Barcode:	5060021361080	5060021361097

The data presented in this leaflet are in accordance with the present state of our knowledge, but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this leaflet should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies raw materials are also being used. The recommendations do not absolve the user from the obligation of investigating the possibility of infringement of third parties rights and, if necessary clarifying the position. Recommendations for use do not constitute a warranty, either expressed or implied, of the fitness or suitability of the products for a particular purpose.