



HVC SUPERGLUE

HVC16 High Viscosity Adhesive

Technical Data Sheet



GLUE MONSTER ADHESIVES RANGE

Description:

A high viscosity ethyl cyanoacrylate adhesive with gap-filling properties.

Features & Benefits:

- ◆ **Rapid curing.**
- ◆ **Excellent adhesion.**
- ◆ **High tensile strength.**
- ◆ **High viscosity liquid.**
- ◆ **Suitable for porous substrates.**
- ◆ **Gap-filling.**

Uses

HVC16 combines high tensile strength with improved impact resistance resulting in a toughened bond. Being higher viscosity enables it to be used on porous and vertical surfaces without excessive penetration or running.

HVC16 SUPERGLUE can be used for bonding:

- Foam products.
- PVCu trims
- Rubber.
- Wood.
- Many plastics.

Limitations

Not suitable for permanent glass bonding. Oily or greasy surfaces cannot be bonded. Olefinic or fluoro polymers may require specialised bonding techniques. Avoid exposure to strong light and heat sources.

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 the required time stated in "Bonding Times" section. 20 seconds is sufficient for most materials.

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.

Bonding Times

Ambient conditions - room temperature +20°C/ 60% RH:

- Plastics 5-30 seconds.
- Rubbers 1-15 seconds.

Cleaning

Clean away any excess adhesive with a dry cloth. Once the glue has dried it is best removed mechanically.

Size

Available in 50g and 20g plastic bottles.

Colour

Clear liquid.

Shelf Life

Minimum 6 months from date of manufacture when stored in original, unopened bottles.

Storage Conditions

Store in a closed upright container between +5°C and +20°C in dry dark conditions. At low temperatures the shelf life will be prolonged. Protect from frost and keep out of direct sunlight.

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

Bonds skin and eyes in seconds.

Please refer to separate safety data sheet (SDS) for full handling, use and storage instructions. Keep out of reach of children. It is the user's responsibility to determine suitability for use. If in doubt, contact our Technical Department for advice.

Note: this information is for general guidance only, since site conditions and labour are beyond our control.

Specification Summary

Appearance	Colourless liquid of medium viscosity
Chemical Composition	Ethyl Cyanoacrylate
Flash Point	>85°C
Boiling Point	>150°C
Soluble in Water	No; Polymerises
Soluble in Acetone	Yes; Miscible
Grab	Very high initial grab
Viscosity	1000-1500 mPa.s
Density	1.06 g/cm ³

CURED ADHESIVE

Gap-Filling	Suitable
Service Temperature Range	-55 to +80°C
Commodity Code	3506100000



Product / Order Details

Code	Colour	Fill	Barcode	UFI
HVC1620	Clear	20g	5060021361080	7E00-E04V-W001-Q315
HVC1650	Clear	50g	5060021361097	7E00-E04V-W001-Q315



Part of the Bond It Glues & Adhesives Range

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Note: The data presented in this leaflet is in accordance with the present state of our knowledge, but does 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.



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