bond it

*Never compromise on quality!*

# UVX LIQUID PLASTIC ADHESIVE

## Light Curing Superglue

GLUE MONSTER ADHESIVES RANGE

***Description:***

***A new and revolutionary technology in cyanoacrylate adhesives. An odourless light curing medium viscosity cyanoacrylate adhesive. Designed for bonding applications that require very rapid fixture, fillet cure or surface cure.***

### Benefits:

- ***Instant bond and tack free photo-cure.***
- ***Industrial strength, invisible, tough bond.***
- ***Eliminates the need for accelerators and activators.***
- ***Paintable and machinable.***
- ***Rapid curing.***
- ***Good impact and moisture resistance.***
- ***Unlimited open time (does not cure until exposed to light).***
- ***Tack free in seconds.***
- ***Non-staining.***
- ***Safer to use; odourless.***
- ***Can be used as a coating once cured.***

### Uses

BOND IT **UVX LIQUID PLASTIC ADHESIVE** combines high quality medium viscosity adhesive with an ultra fast light cure for a tougher bond. Fills and repairs gaps in seconds with an invisible bond. Perfect for potting and encapsulation. Bonds plastic, wood, fabric, leather, metal, glass and acrylic.

Ideal for bonding applications involving overlapping non-transparent parts and where aesthetics are a concern, such as medical assemblies and cosmetic packaging. Traditional cyanoacrylates create blooming which can appear as frosting on surfaces and therefore affect the appearance of the items being bonded.

### Preparation

This product is light sensitive, exposure to daylight, UV light and artificial light should be kept to a minimum during storage and handling. Surfaces to be bonded should be clean, dry and free from dust and grease.

### Application

This product performs best in thin bond gaps (0.05mm). Apply adhesive to one surface and the assemble. Expose parts to LED light by pressing the button on the fob for sufficient time until set solid. Replace cap after use.

### Battery

Fob contains two 3V Lithium batteries – Code: CR2016L.

### Limitations

Do not use on surfaces that bleed oils or plasticisers. Not suitable for permanent bonding of glass. Olefinic or fluoro polymers may require specialised bonding techniques.

### Cleaning

Excess or uncured material can be removed using acetone or nail varnish remover (protect any surrounding surfaces from potential spillages).

### Container Size

4g metal tube with plastic fob.

### Shelf Life

Minimum 12 months from date of manufacture in unopened tubes.

### Storage Conditions

Store in cool, dry conditions at a temperature of between 8°C and +24°C. Storage outside these parameters will dramatically reduce the shelf life.

### 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

***Danger Cyanoacrylate Adhesive. Bonds skin and eyes in seconds.***

Please refer to separate material safety data sheet for full handling, use and storage instructions. Keep out of reach of children. Do not mix old and new batteries. Do not reverse or mix the direction of the batteries. Dispose of batteries properly. Caution: The LED emits a small amount of UV light. Direct exposure to bright light may damage eyes. Do not look or direct light at people or animals.
It is the users 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. It is recommended that users make their own tests to determine suitability.***

## Specification Summary

| | |
|---|---|
| Technology | Cyanoacrylate / UV/ visible |
| Chemistry | Alkoxyethyl cyanoacrylate with photoinitiator |
| Appearance | Transparent clear liquid of medium viscosity |
| Specific Gravity @ 25°C | 1.13g/cm$^3$ |
| Viscosity | 150 - 300 MPa.s |
| Strength (N/mm$^2$) after 10s cure with UV/Vis light | |

| | |
|---|---|
| ABS | 7.3* |
| Acrylic | 8.3* |
| Polycarbonate | 6.2* |
| PVC | 3.6 |

**substrate failure*

## Product Details:

| | |
|---|---|
| **Colour:** | Clear |
| **Code:** | BDGMUVX4 |
| **Size:** | 4g |
| **Barcode:** | 5060021368812 |

**Part of the Bond It Glue Monster Range**

*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.*


Certificate Number:
6152
ISO 9001
ISO 14001; ISO 45001



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*Supercedes: V*