



Never compromise on quality!

Published: September 2002

# MITRE KIT

## High Viscosity Gap-Filling Adhesive

### Description

**A high viscosity ethyl cyanoacrylate adhesive with gap filling properties coupled with an accelerator that overcomes the adverse effects of acidic surfaces such as oak timber and MDF.**

Used in conjunction an almost instant bond is attained. Ideal for fine joints such as mitres where a close aesthetically pleasing joint is required.

### Uses

Bond It MITRE KIT can be used for bonding

- ◆ MDF Chipboard
- ◆ Oak
- ◆ Pine
- ◆ All common timbers.
- ◆ PVCu
- ◆ Rubber

### Preparation

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

### Application

Spray aerosol lightly over one face of the joint and allow to dry. If possible, use on the least visible face of the completed joint.

Apply adhesive to the other face and bring together immediately. Apply gentle pressure.

**IMPORTANT:** Over application of the accelerator can result in staining on some materials. This stain may not become visible for several hours after application. Apply to a test sample to check application level to avoid any staining on final job.

### Bonding Times

Ambient conditions - room temperature 20°C/ 60% relative humidity:

Plastics 5-10 seconds

Rubbers 1-3 seconds

Timber 5-10 seconds

### 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. Keep out of direct sunlight.

### Shelf Life

Minimum shelf life 12 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

- ◆ 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 any thing. Do not try to prise apart. It is probable that natural skin oils will cause the bond to fail. If glued skin sticks 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
Drying Time	10 seconds
Grab	Very high initial grab
Appearance	Colourless liquid of medium viscosity
Viscosity	1400-1700 mPa.s
Specific Gravity	1.06
<b><u>CURED ADHESIVE</u></b>	
Gap Filling	Up to 0.25mm
Tensile Strength (ASTM D2095)	20 MPa
Tensile Shear Strength(ASTM D1002)	14.0 MPa
Service Temperature Range	-60 to +80°C

### Container Sizes:

<b>Code:</b>	BDMI
<b>Size:</b>	20g & 200ml

*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.*

