

## A8136 – Technical Data Sheet



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### Description

Bondrite's **A8136** is a two-component, low viscosity, fast-cure, epoxy-based adhesive. It has been designed specifically for application by injection through a nozzle, or hollow needle, and then flows readily to fill the volume or gap into which it has been injected. Being a 100% solids material it will cure in enclosed spaces and not attack sensitive plastics, e.g. polystyrene.

**A8136** has been used for the repair of laminated panels where 'bubbling' has occurred. In addition, it may also be used for conventional bonding processes where an epoxy-type is specified and low viscosity is deemed an advantage.

### Typical Uses

Typical uses for **A8136** include:

- Packaging applications,
- Printing and print finishing,
- Furniture,
- Product assembly markets.

**A8136** has been found suitable for bonding materials such as paper & board, timber, hardboard, foams, ABS, Perspex, aluminium, and other porous and non-porous materials.

### Physical Properties

<b>Base</b>	Component A: Epoxy Component B: Amine
<b>Appearance</b>	Clear straw
<b>Temperature resistance</b>	-30 to +90°C
<b>Coverage</b>	4m <sup>2</sup> /L (at 0.25mm)
<b>Application temperature</b>	-40 to +70°C
<b>Solids</b>	100%
<b>Viscosity (20°C)</b>	Component A: 600-1400 cps Component B: 300-800 cps
<b>Shelf life</b>	3 months (25°C)
<b>Environmental</b>	Solvent-free
<b>Cleaner</b>	Solvent 3 (whilst uncured)

### Instructions for use

#### Application

1. Mix Component A with Component B at a 2:1 ratio (A:B), by weight or volume. Only the amount required immediately should be mixed since being a fast-cure material it has a limited pot-life (10 minutes for a 100 gram mix).
2. The bond should then be clamped or placed under pressure for 1-2 hours until cure has taken place.

Notes: **A8136** should be stored in conditions such that moisture is excluded preferably in the original containers kept tightly closed. Component A may crystallise in storage at low temperatures; gentle warming will remove the crystallisation.

## **Storage and handling**

The product should be stored unopened in a dry condition at a temperature of 5-25°C. This will ensure the stated shelf-life. The adhesive will have a limited life once the container is opened.

## **Temperature and timings**

All information on temperature and timings represent normal working conditions and is provided as a guideline only. However, please contact Bondrite for advice if you wish to operate outside of these parameters.

### **Please consult the A8136 Health & Safety Data Sheet for statutory regulation information.**

Information relating to the products of Bondrite Adhesive Limited is based on tests carried out under laboratory conditions. If any of our products are not used in accordance with our instructions or are used under conditions which vary from our laboratory, they may not perform in accordance with any information provided and Bondrite shall not have any liability in this case. Bondrite will accordingly provide samples of our products, on request and free of charge, for Customers to carry out their own tests as to suitability of our product for their purposes and as used in their intended environment.

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