

## Technical Datasheet UV1

### Product Description

Bondchem UV1 is a single component, medium viscosity, ultra fast cure UV/Visible light curable structural adhesive. This grade is designed to bond medium to large surface area glass to glass applications. Once cured this grade offers optimum clarity and excellent environmental resistance.

### Typical Applications

**Bondchem UV1 cures in seconds upon exposure to UV/Visible light to form an impact resistant flexible bond. It is used widely on many substrates and applications in both industrial and medical market sectors. Typical applications shown below:**

- Bonding glass bevel assemblies.
- Laminating glass.

### Instructions For Use

**This adhesive is UV sensitive, any exposure to daylight, UV light and artificial light should be kept to an absolute minimum during storage and handling.**

1. Clean parts fully and apply adhesive to one of the mating parts.
2. Assemble parts, and position ensuring any bubbles are removed prior to cure.
3. Apply UV light and allow to cure.
4. As the cure rate depends upon lamp intensity, distance from light source, depth of cure needed, bondline gap, and the light transmittance through the substrate itself, it is always advisable to test and assess cure speed prior to production.
5. For guidance, if the gel time under UV exposure = X always allow a minimum of X+2X for a full cure before moving the parts.

### Properties of Uncured Material

Resin	Urethane Acrylate
Appearance	Clear Amber Liquid
Viscosity	1500cps
Cure System	UV/Visible Light

### Performance of Cured Material

Cure speed glass to glass	<10 Seconds
Typical bond Strength	15- 20 Nmm <sup>2</sup>

### Packaging

Bondchem UV1 is available in 200g black bottles.

### Storage & Shelflife

**Bondchem UV1 should be stored unopened in a cool dry location, out of direct sunlight. Stored correctly, this grade can offer a 12 month shelf life from manufacture.**

### Health and Safety in Use

**Bondchem UV1 should not be used without consulting the MSDS, which contains full information regarding the use of this product, including Transport, Disposal, Toxicological, Exposure Controls, Accidental Release and First Aid measures essential to the safe use of this product.**