

Technical Datasheet UV8

Product Description

Bondchem UV8 is a single component ultra fast UV cure structural adhesive formulated to bond glass to glass and glass to metal with ultimate clarity and very high bond strength.

Typical Applications

Bondchem UV8 cures in seconds upon exposure to UV light to form a toughened polymer. Typical usage applications shown below:

- Bonding stainless brackets to glass.
- Bonding metal supports to glass in furniture manufacture.
- Structural assembly of POS displays.
- Structural glass exhibitions/art craft.

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 Liquid
Viscosity	200-300cps
Cure System	UV 365 Nm

Performance of Cured Material

Cure speed glass to stainless steel 250W Lamp 365Nm 6mm Glass	<10 Seconds
Typical bond Strength ASTM D2095-69	5 - 15Nmm ²
Torque strength stainless M10 to toughened glass	22Nm

Packaging

Bondchem UV8 is available in 200g black bottles.

Storage & Shelflife

Bondchem UV8 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 UV8 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.