

**TDS09 116 ADHESIVE January 2008****UV-TEK Bevelled Glass Adhesive 116****1. PRODUCT DESCRIPTION**

UV Tek 116 is a high quality, resilient, flexible, tough, UV light curing polymer, that has optically similar refractive index, & light transmission data to float, and bevelled glass.

This material is formulated to cure with UV-Tek's range of lamps, and can be used with or without the UV-Tek range of " Bevel Templates. "

The material is very durable, and will withstand in excess of 1000 hrs weather testing to ASTM - G 53-94, without breaking down, when used in conjunction with UV-Tek UV curing lamps. (Test data available on request)

UV Tek 116 is manufactured in the EEC.

**2. APPLICATION**

Ensure all glass surfaces to be bonded are cleaned with UV-Tek Glass Cleaner. Select the correct UV-Tek template. Apply in position to sheet glass as directed. Apply UV-Tek Glass Bevel Adhesive to the underside face of the bevel. Press bevel down gently to remove excess adhesive, air bubbles, and other visible contaminants. Cure the adhesive with the UV-Tek UV luminaires for the desired cure time\*\*. Cut around template, remove the template, peel away excess adhesive. Clean all glass and templates with UV-Tek Glass Cleaner.

**3. CURE TIME\*\***

4mm Float glass. UV cure 1 x 15 + 1 x 15 seconds, (using 4mm safety work top glass) using UV Tek BTU 300 or FSU 600 Luminaires.

**4. TECHNICAL SPECIFICATIONS**

Solvent free modified acrylic ester.

**Flashpoint**

> 66° C

**Colour**

Clear

**Odour**

Distinctive

**Viscosity**

600 cps @ 21° C

**Specific gravity**

1.04 appx

**Refractive Index**

1.5 + / - 0.2

**Light Transmission**

> 99.8 %

**Weather Test**

In excess of 1000 hrs ASTM G - 53 - 94. (Akzo Nobel.U.K.)

**Flex Test**

25mm sq bevel bonded to centre of 610 x 50mm x 4mm glass. Glass pivoted in centre 12mm high and distorted down at both ends to try and shear bevel.

Base glass broke, bevel still bonded with no defects to the bond

**Cure Wavelength**

**310 - 385** nanometers, typically UV A and B light

**Containers**

UV-Tek Glass Bevel Adhesive is supplied in, 200gm, poly-bottles.

#### **4. TECHNICAL SPECIFICATIONS CONTINUED**

##### **Limitations**

This material will cure readily when exposed to U.V. radiation, and heat.

Protect the adhesive from indirect curing sources, such as sunlight, and other UV light generating sources. Store in a cool dark safe condition.

##### **Storage**

6 months when stored in its original sealed container in a dark store at + 5° C

**KEEP WELL AWAY FROM CHILDREN**

#### **5. HEALTH & SAFETY**

This material is a mild irritant to skin & eyes. Refer to H.S. sheet No:- HS03

*Information and recommendations are given in good faith and based on practical tests. No warranty or guarantee is given as to the fitness of any Goods for any particular purpose and the buyer shall have satisfied himself as to the fitness of the Goods for the purpose for which they are so required. Product covered by Standard Conditions of Sale.*