



## TDS10 FC-700 ADHESIVE June 03

### UV-TEK Bevelled Glass Adhesive FC-700

#### 1. PRODUCT DESCRIPTION

**This material when cured has a wipeable excess adhesive.**

High quality, resilient, flexible, photo-initiating polymer, that has optically similar optical, refractive & light transmission data to float, and bevelled glass. This material is formulated specifically to cure with UV-Tek's range of UV luminaires, and works in conjunction with the UV-Tek patented 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 bevelled Glass Adhesive FC-700 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 FC-700 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 luminaires for the desired cure time\*\*. Wipe away excess adhesive and remove template.

#### **Provide the second cure.**

Clean all glass and templates with UV-Tek Glass Cleaner.

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

4mm Float glass. UV cure 1 x 5 + 1 x 5 seconds approximately, (using 4mm safety work top glass) using the UV Tek BTU 300 or FSU 600 Luminaires.

#### 4. TECHNICAL SPECIFICATIONS

Solvent free modified acrylic ester.

##### **Flashpoint**

> 85° C

##### **Colour**

Clear

##### **Odour**

Distinctive

##### **Viscosity**

700 cps @ 21° C

##### **Specific gravity**

1.04 appx

##### **Refractive Index**

1.5 + / - 0.2

##### **Light Transmission**

> 99.8 %

##### **UV Light Transmission**

99.9 blocked

##### **Weather Test**

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

over

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

##### **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

##### **Containers**

UV-Tek Glass Bevel FC-700 Adhesive is supplied in, 200gm, poly-bottles.

##### **Limitations**

**This material will cure readily when exposed to U.V.light.**

Protect the adhesive from indirect curing sources, such as sunlight, and other 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:- HS06

**Wear safety gloves when using this product.**

***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.***