

TDS11 Vis-410 ADHESIVE January 2008**UV-TEK Bevelled Glass Adhesive Vis-410****1. PRODUCT DESCRIPTION**

This material when cured with visible light has a wipeable excess adhesive.

High quality, resilient, flexible, photo-initiating polymer, that has similar optical, refractive & light transmission data to float, and bevelled glass.

This material is formulated specifically to cure by short wave visible light. Vis-410 works in conjunction with 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 luminaires! (Test data available on request)

UV-TEK bevelled Glass Adhesive Vis-410 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 Vis-410 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**.

Wipe away excess adhesive and remove the template. **Provide the second cure.** Clean all glass and templates with UV-Tek Glass Cleaner.

3. CURE TIME****Bonding Bevels to Laminated Glass**

(Using 4mm Toughened Safety work top glass) Vis Light 1 x 15 – 30 seconds x 2, depending on thickness of laminated glass.

Bonding Bevels to Float and Toughened Glass

(Using UV-Tek 4mm Toughened Safety Glass and special UV-Tek UV blocked film) Vis Light 1 x 15 + 1 x 15 seconds.

Bonded on the UV Tek BTU 300 or FSU 600 Luminaires.

4. TECHNICAL SPECIFICATIONS

Solvent free modified acrylic ester.

Flashpoint

> 66° 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 %

Weather Test

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

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

Cure Wavelength

310 - 425 nanometers. Preferred cure 400 – 452 nm.
Violet-Blue Visible Light.

Containers

UV-Tek Glass Bevel Vis-410 Adhesive is supplied in, 200gm, poly-bottles.

Limitations

This material will cure readily when exposed to U.V.and visible 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:- 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.