



## TDS07 MV ADHESIVE December 03

### Regabond Dual Cure MV Bevelled Glass Adhesive

#### 1. PRODUCT DESCRIPTION

This material when cured with UV light has a peelable excess. When cured with Visible Blue light has a wipeable excess adhesive. Regabond MV adhesive is a high quality, resilient, flexible, photo – initiating polymer. It has 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 and Vis light luminaries and can be used with or without " 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 luminaires. Test data available on request)

Regalead MV Bevelled Glass Adhesive is manufactured in the EEC.

#### 2. APPLICATION

Ensure all glass surfaces to be bonded are cleaned with UV-Tek Glass Cleaner. Select the correct template. Apply in position to sheet glass as directed. Apply Regabond MV Bevelled Glass Adhesive to the underside face of the bevel. Press bevel down firmly to remove excess adhesive, air bubbles, and other visible contaminants. Cure the adhesive with the UV-Tek luminaires for the desired cure time\*\*. Remove excess adhesive and remove template. Provide the 2<sup>nd</sup> cure\*\*. Clean all glass and templates with UV-Tek Glass Cleaner.

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

Float glass. UV cure 1 x 15 seconds x 2. Vis light approx 45 seconds x 2.

#### 4. TECHNICAL SPECIFICATIONS

Solvent free modified acrylic ester.

##### Flashpoint

> 85° C

##### Cure Wavelength

310-415 nanometers, typically UV – B, UV - A and Visible Violet / Indigo light.

##### Colour

Clear

##### Odour

Distinctive

##### Viscosity

1200 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 square bevel bonded to center of 610 x 50mm x 4mm glass. Glass pivoted in center 12mm high and distorted down at both ends to try and shear bevel. Base glass touched the worktop, bevel still bonded with no defects to the bond.

### **Containers**

Regabond MV Glass Bevel Adhesive is supplied in 200gm, black poly-bottles.

### **Limitations**

This material will cure rapidly when exposed to U.V. and or visible light.

Protect the adhesive from indirect curing sources, such as sunlight, and other light generating sources and heat.

### **Storage**

6 months when stored in its original sealed container in a dark store at + 5° C. Ensure black bottle cap is replaced when not in use.

**KEEP WELL AWAY FROM CHILDREN**

## **5. HEALTH & SAFETY**

This material is a mild irritant to skin & eyes. Refer to H.S. sheet No:- HS03. Wear safety gloves and goggles 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.***