



## TDS22 RegaBond Visible ADHESIVE June 05

### RegaBond Visible Light Bevelled Glass Adhesive

#### 1. PRODUCT DESCRIPTION

This material when cured with visible violet light has a wipeable excess. When cured with UV light it has a gelled excess.

High quality, resilient, flexible, photo-initiating polymer having similar optical light transmission and refractive index data to float glass.

This material must be cured using one of UV-Tek's range of luminaires and UV-Tek's patented "Bevel Securing Template"

RegaBond Visible Light Glass Bevel Adhesive is manufactured in the EU

#### 2. APPLICATION

Ensure all glass surfaces to be bonded are cleaned with UV-Tek Glass Cleaner. Solvents MUST NOT be used. Position the UV-Tek template sheet on the glass. Apply RegaBond Visible Glass Bevel Adhesive to the underside of the bevel and, keeping level, position within the template. Gently press out any air entrapment so as not to displace too much adhesive. Cure the adhesive with the UV-Tek luminaire for the desired cure time\*\*.

After initial cure 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\*\*

4mm Float Glass. (using 4mm safety worktop glass)

Vis Light cure - 1 x 20 seconds x 2.

UV Light cure – 1 x 12 seconds x 2

#### 4. TECHNICAL SPECIFICATIONS

Solvent free modified acrylic ester.

##### Flashpoint

> 61° C

##### Colour

Clear

##### Odour

Distinctive

##### Viscosity

550 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.)

**Photo-Reactive Wavelength**

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

**Flex Test**

51mm circular bevel bonded to centre of 610 x 50mm x 4mm toughened glass. Glass pivoted in centre 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 Visible Glass Bevel Adhesive is supplied in 200gm and private label 250gm black poly-bottles.

**Limitations**

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

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:- HS04

**Wear safety gloves and UV-Tek goggles when using this product**

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