

# UV110 UV Adhesive

Engineering Adhesives

## DESCRIPTION

UV110 is formulated to resist shock loads and give ultimate strength in terms of bonding load distribution.

UV110 exhibits toughness and a degree of flexibility. They were designed as glass to metal bonders and to withstand the toughest of applications in glass construction.

UV110 will bond glass to glass and the bonds will not break before glass failure. UV110 also bonds to stainless steel and its adhesion is superior to most grades.

It is also possible to bond to many other materials especially aluminium, steel, ceramics and certain plastics.

Bond strengths give ultimate shear and tensile strength. Adhesion to metal and glass is significant and these bonds resist high impact loads and delamination often leading to glass failure.

<b>Typical Properties(liquid product)</b>	
Colour:	Clear
Viscosity:	260-350cps
Specific Gravity:	1.05
R.F. Index:	1.47 approx.
Cure Time (glass) 365Nm@50mw/cm <sup>2</sup>	seconds
<b>Cured Properties (Typically)</b>	
Hardness	70 Shore A
UV Pillar test, 2 min cure @ 50mW/cm <sup>2</sup>	

## UV INTENSITY

Some lamps emit very low energy in the low 10's (4-5mW/cm<sup>2</sup>). While this is sufficient to eventually cure the material, it is such low level that it takes 5-6 times the length of time to fixture and subsequently cure. (1-2 minutes exposure).

## APPLICATIONS

Glass towers, structures, lecterns, boxes, shelves, table tops, desks, cabinet displays, trophies, steel to glass fixings, rotating bearing assemblies, glass to steel pillars, swivel structures, staircases, steps, multilayer laminates

## DIRECTIONS FOR USE

For best performance bond surfaces should be clean and free from oil and grease.

Cure rate is dependent on lamp intensity, distance from light source, depth of cure needed or bond line gap and light transmittance of the substrate through which the radiation must pass.

## COMPATIBLE ACTIVATORS, ACCELERATORS & PRIMERS

Not Recommended



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**STORAGE & SHELF LIFE**

This product is light sensitive; exposure to daylight, UV light and artificial lighting should be kept to a minimum during storage and handling.

Shelf Life: 12 months @ 20°C

**PACKAGING**

Bottles: 50ml, 250ml

Bulk: 1KG

**HEALTH & SAFETY**

For further information please see Safety Data Sheet

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