



# UV-299

## UV-curing Adhesive for Glass and Oxidized Metal Bonding

### Features

- Modified acrylic adhesive.
- An adhesive specially developed for oxidized metal (Cu, Al, etc.) and glass bonding.
- Dual curing mechanism: UV light exposure and anaerobic environment. When exposed to UV, the resin rapidly cures primarily. For underexposed sections, the resin will continue to cure in the absence of oxygen.
- Great toughness after cured. Resistant to moisture and aging.

### Physical Properties

	<u>UV-299</u>	<u>UV-299L</u>
Appearance :	Clear liquid	Clear liquid
Viscosity : @25°C, S14 20rpm, cps	24,500 ~ 30,500	19,500 ~ 25,500
Shelf Life : @25°C, Unopened	6 Months	

### Curing

- Recommended Wavelength : 310 ~ 365 nm
- Minimum Light Intensity : >50 mW/cm<sup>2</sup>
- Minimum Light Energy : 1,500 ~ 2,000 mJ/cm<sup>2</sup>

### Handling & Storage

- For high strength bonding, clean the contact surface to remove dust, grease and all other contaminants before applying the adhesive.
- Curing time varies depending on object sizes and types, glue line thicknesses and the wave-length and output wattage/light intensity of the UV lamp used. User needs to evaluate the time needed based on the actual operation.
- UV-299/UV-299L should be stored in the shade and a cool place. Avoid the contact with any light (including ultraviolet ray). Put the lid back on immediately after each use to prevent any possibility of light exposure, which will affect the product performances.

