

# UV ADHESIVES

- ⇒ Bonding
- ⇒ Potting
- ⇒ Lamination

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A must for Industrialists, Engineers, Architects, Developers, Professionals & Consultants.



**ALTRaset**<sup>®</sup>  
UV Adhesives

## UV Bonding & Potting Adhesives

ALTRaset adhesives are single component easy to use, solvent free adhesives, cures when exposed to low intensity ultraviolet rays. Used to bond glass to glass, glass to metal components such as precision optical instruments, electronic devices. Typical uses in unitizing electrical devices, appliance parts and decorative components.

### PRODUCTS

#### UV Bonding

**ALTRaset<sup>®</sup> 547**  
(Low Viscosity)

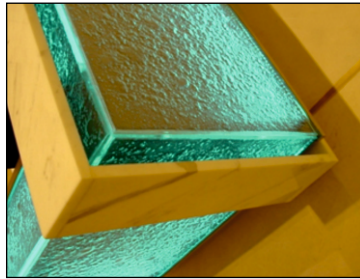
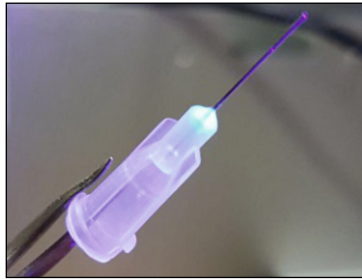
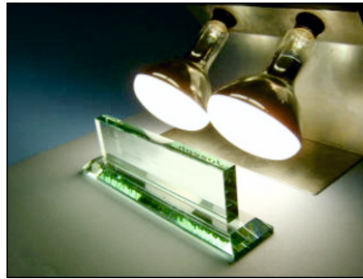
#### UV Bonding

**ALTRaset<sup>®</sup> 549**  
(High Viscosity)

#### UV Bonding

**ALTRaset<sup>®</sup> 5405**  
(Dual Cure)

Description	It is a low viscosity fast cure UV adhesive which bonds glass to glass, glass to metal components such as precision optical instruments, electronic devices, furniture and industrial devices. It is use for rapid cure glass bonding applications.	It is a fast cure high viscosity UV adhesive, bonds glass to glass, glass to metal components such as precision optical instruments, electronic devices. When cured, it is highly resistant to vibration and impact forces.	It is a Dual Cure (Anaerobic & UV light) adhesive designed for rapid bonding of metal parts and sealing gaps in the components. The ability to cure in seconds with UV light enables faster processing, and lower assembly cost.
Appearance	Clear	Clear	Clear
Specific Gravity (25±2°C) <b>ASTM D1875</b>	1.05	1.07	1.07
Viscosity (25±2°C) <b>ASTM D1084</b> (cP)	800 - 1100	5000 - 15000	17000±100
Hardness Shore D (25±2°C) <b>ASTM D2240</b>	50 - 60	60	70
Cure Speed	6 - 8 Secs	4 - 6 Secs	6 - 7 Secs
Lap Shear Strength (Glass-Glass) (A=25 x 25 mm)	Substrate Failure	Substrate Failure	Substrate Failure
Service Temperature (°C)	-30 to 150	-30 to 150	-30 to 150
Shelf Life (Months)	12	12	12
Pack Size	100g & 1Kg	100g & 1Kg	100g & 1Kg



## UV Potting

**ALTRaset® 5400**  
(Medium Viscosity)

## UV Lamination

**ALTRaset® 520**  
(Glass Lamination)

It is a fast cure, medium viscosity, UV LED cure adhesive which bonds to glass, metal and plastics. The product's ability to cure in seconds enables faster processing, greater output and lower assembly cost. Ideally used for potting & encapsulation applications.

It is cured with low intensity ultraviolet (UV) light to provide an optically clear, transparent interlayer with excellent bond strength to glass. Once cured, typically in 30 minutes no additional processing is required. The Altraset® 520 interlayer produces glass laminates with excellent performance.

Clear

1.03

7400 ± 50

70 - 75

5 - 6 sec

Substrate Failure

-40 to 150

12

100g & 1Kg

Clear

0.9

5 - 15

-

20 - 30 Mins

Substrate Failure

-30 to 120

12

20Kg



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