

# ACRI-BOND UV ADHESIVES

Acri-Bond UV Adhesives (commonly known as UV Glue) are high-performance, single-component adhesives that cure rapidly when exposed to UV or visible light at the correct wavelength and intensity. These adhesives are a solvent-free formula and are ideal for bonding clear plastics and glass to themselves or to other materials like metal, without the mess and with perfect clarity.

## What Are UV Adhesives?

Acri-Bond UV Adhesives cure through exposure of Ultra Violet Light of [365nm] and through visible light of [436nm]. The photo-initiators are triggered when coming in contact with the correct wave-lengths where they react to cause the chemical reaction to cure the adhesive rapidly.

Acri-Bond UV Adhesives are 100% solids and solvent-free, which means they won't dissolve, melt, or damage the surfaces being joined. Instead of relying on solvents to soften substrates, they cure through light exposure to form strong, crosslinked bonds at the surface. This results in high-strength, optically clear joints with better control and workability than many traditional adhesives.

Cure speed can be adjusted through the intensity of the UV Light. A smaller unit like our UV Torch Kit will provide a suitable cure speed for many jobs. For larger scale operations we recommend our UV Unit which has an adjustable intensity for many different uv gluing scenarios.

## Key Benefits of Acri-Bond UV Adhesives

- High-strength, reliable bonds
- Controlled curing – align and position parts before setting
- Adjustable cure speeds – increase with higher light intensity
- Solvent-free, non-flammable, and safer to use
- Single-component – no mixing, no waste
- Aesthetic – clear, colourless finish ideal for transparent materials like acrylic and glass
- Backed by expert support for product selection and process optimisation

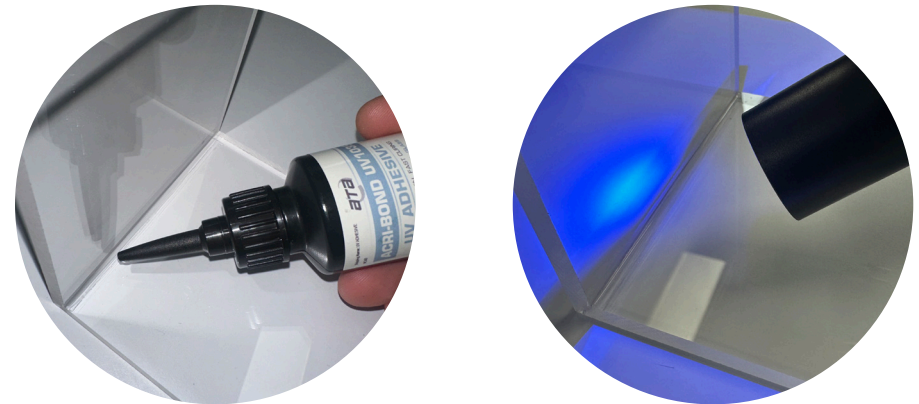
## Acri-Bond UV Adhesives Suitable for a Variety of Applications

Acri-Bond UV Plastic Adhesives have been engineered to be perfect clarity and have been widely used in Acrylic Fabrication, where clarity and strength are key. Our adhesives are used by museums, award manufacturers and point of sale displays where they need bubble free, perfect clarity joints for high end applications.

Acri-Bond UV Glass Adhesives have been engineered to be a perfect clarity and very high strength bond for Glass to Glass and Glass to Metal. Commonly used in display boxes, glass furniture and glass fabrications.

Our UV Adhesives have also been used in a variety of other applications such as optically clear lense manufacturing, electronics and pcb boards.

To talk about your specific application our specialised team will be able to help provide a suitable adhesive or create a new one based on the job specifications.



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## ACRI-BOND UV CURING ADHESIVES SELECTION GUIDE

This table provides a quick overview of UV-curable adhesives from the Acri-Bond range. For full technical details and access to data sheets, please contact our team or visit the specific products. If you need help choosing the right adhesive, our technical specialists are available to recommend the best option from our range or assist in developing a custom solution tailored to your application.

Product Code	Primary Application	Appearance	Viscosity (CPS)	Hardness	Refractive Index	Elongation	Service Temp (°C)	Pack Sizes
<b>Plastic UV Adhesives</b>								
<b>UV1035</b>	Low Viscosity for Acrylic and PC Bonding. Water Thin, Capillary Effect, Perfect Clarity	Clear	15 - 25	Shore D 64	1.4769	^	-40 to 100	50mL 1L
<b>UV2046</b>	Medium Viscosity for Acrylic and PC Bonding. Has Flow and Body, Perfect Clarity	Clear	35 - 65	Shore D 50	1.4768	^	-40 to 100	50mL 1L
<b>UV3232</b>	Thick Viscosity for Acrylic and PC Bonding. Non-Drip, Perfect Clarity	Clear	3100 - 4700	Shore D 64	1.4825	107%	-40 to 100	50mL 1L
<b>Glass UV Adhesives</b>								
<b>UV411</b>	Low Viscosity for Glass Bonding, Water Thin, Capillary Effect, Perfect Clarity	Clear	45 - 65	Shore D 70	1.5026	^	-40 to 100	50mL
<b>UV415</b>	Medium Viscosity for Glass and Metal Bonding, Has Flow and Body, Perfect Clarity	Clear	800 - 1,300	Shore D 64	1.5026	^	-40 to 100	50mL
<b>UV419</b>	High Viscosity for Glass and Metal Bonding, Non-Drip, Perfect Clarity	Clear	4,400 - 5,400	Shore A 72	1.5026	381%	-40 to 100	50mL

Key: [^ = Untested], [PC = Poly Carbonate]

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