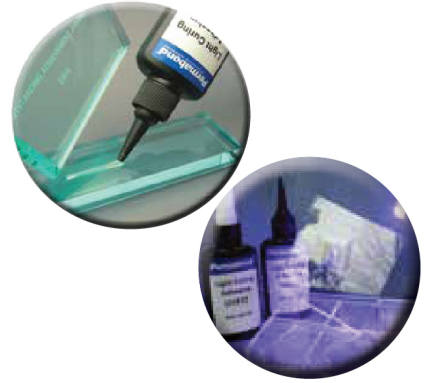


**UV-CURABLE ADHESIVES**

Permabond UV-curable adhesives are single part, cure on demand adhesives suitable for bonding a wide variety of substrates. Upon exposure to UV light, Permabond UV curables will cure to a high strength in a matter of seconds.

**Benefit**

- Cure on demand - allows proper alignment of components before bonding.
- Speed - increase production by simply adding more lamps to the line.
- Non-flammable and solvent-free - supports a safe and comfortable work environment.
- Single part product - No mixing required.
- Save energy and space - UV lamps require less electricity and space compared to ovens.
- Appearance - UV adhesives provide a pleasing finished appearance.
- Technical support- application specialists available for assistance with joint design, adhesive selection and production process.
- 100% solids = No waste.



Grade	Primary Application	Appearance	Viscosity mPa.s = cPs	Tensile strength (N/mm <sup>2</sup> )psi	Shear strength (N/mm <sup>2</sup> )psi	Shore D Hardness	Refractive Index	Elongation %	Service Temp. (°C) °F
UV610	High strength bonding for glass to metal.	Translucent	800-1000	(17) 2500	Glass to steel (13-16) 1900-2300	65-75	>1.490	95	(-55 to +120) -65 to +250
UV620	General purpose, optically clear.	Clear, colourless	2200-2900	(16) 2300	Glass to steel (9-10) 1300-1450	60-75	>1.490	>80	(-55 to +120) -65 to +250
UV625	Non-drip for larger gaps and vertical applications.	Clear, colourless	20rpm: 30,000-55,000 2rpm: 120,000-250,000	(16) 2300	Glass to steel (6-10) 870-1450	60-70	>1.490	>60	(-55 to +120) -65 to +250
UV630	Low viscosity, plastic bonding.	Clear, colourless	200-300	(14) 2000	PC to PC* (>9) >1300	60	>1.490	110	(-55 to +120) -65 to +250
UV632	Low viscosity, plastic bonding, excellent adhesion to acrylic.	Clear, colourless	200-400	(13) 1900	PC to PC* (>9) 1300	55-75	>1.490	>70	(-55 to +120) -65 to +250
UV640	Medium viscosity, plastic bonding.	Clear, colourless	20rpm: 3000-5000 2,5rpm: 12,000-25,000	(13) 1900	PC to PC* (>9) >1300	55-75	>1.490	110	(-55 to +120) -65 to +250
UV648	Medium viscosity, plastic bonding, excellent adhesion to acrylic.	Clear, colourless	20rpm: 20,000-40,000 2rpm: 120,000-180,000	(11) 1600	PC to PC* (>9) >1300	50-65	>1.490	>70	(-55 to +120) -65 to +250
UV670	Flexible for metal and metallized plastics.	Clear, colourless	2000-3000	(12) 1700	Glass to steel (6-10) 870-1450	50-60	>1.490	>80	(-55 to +120) -65 to +250
UV681	Tack-free coating	Clear, colourless	80-120	(11) 1600	-	50-65	>1.490	>50	(-55 to +120) -65 to +250
UV683	Tack-free doming	Clear, colourless	1000-1600	(13) 1900	-	50-65	>1.490	>50	(-55 to +120) -65 to +250
UV6160	Optically clear, even in high-stress joints	Clear, colourless	1000-2000	(20) 2900	Glass to steel (11) 1600	65-75	>1.490	100-150	(-55 to +120) -65 to +250
UV6231	Excellent environmental resistance	Clear, colourless	5000-8000	(10) 1450	Glass to steel (10) 1450	45-50	>1.490	>120	(-55 to +120) -65 to +250
UV7141	UV and anaerobic curing. For bonding ceramic coated glass, mirrors, glass and metal	Clear, colourless	1000-1700	(20) 3000	Glass to steel (14-17) 2000-2500	60-70	1.490	20-50	(-55 to +150) -65 to +300