

GLASS BONDING ADHESIVES & SEALANTS

Permabond adhesives for glass form very high strength bonds in load bearing joints.

Glass furniture and display cabinets benefit from formulations that offer flexibility and stress absorption when bonding dissimilar substrates. Product information for our most popular glass bonding adhesives can be found on the next page, but please contact Permabond to review your application for a product recommendation.

A global team of technical, sales, and distribution professionals are specially trained to ensure they can assist you in selecting the most appropriate standard or custom formulated product for your unique application. Our team looks forward to hearing from you.



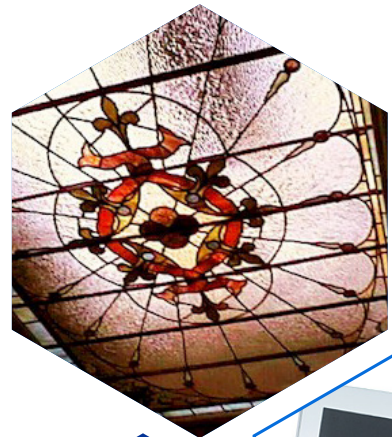
KEY FEATURES AND BENEFITS:

- ▶ Various chemistries available including UV curable, acrylic, and more
- ▶ Technical support on product selection and production implementation
- ▶ Products available which:
 - will absorb stresses between dissimilar substrates
 - are optically clear
 - have good environmental resistance
 - are environmentally friendly; no solvent

TYPICAL APPLICATIONS:

- Furniture
- Art Glass
- Lamp Shades
- Bathroom Cabinets
- Shelving
- Mirrors
- Doors
- Display Cabinets
- Bevelled Glass
- Glassware

...And many more!



Glass Bonding Adhesives

Grade	Description	Cure Type	Visc. cP (mPa.s)	Shear Strength Steel to Glass	Shore Hardness	Elongation	Refractive Index	Temperature Range	
UV610	Lens bonding, furniture bonding	High strength, glass to metal	UV	800-1000	1900 - 2300 psi 13 - 16 N/mm ²	D 70	95%	>1.490	-65 to +250°F -55 to +120°C
UV620	Glass furniture bonding	General purpose, optically clear	UV	2200-2900	1300 - 1500 psi 9 - 10 N/mm ²	D 68	>80%	>1.490	-65 to +250°F -55 to +120°C
UV625	Glass display case bonding	Large gaps, vertical application	UV	2.5rpm: 185,000 20 rpm: 42,500	1300 - 1500 psi 9 - 10 N/mm ²	D 65	>60%	>1.490	-65 to +250°F -55 to +120°C
UV670	Ideal for applications requiring impact resistance	Metal to glass, flexible	UV	2000 -3000	870 - 1450 psi 6 - 10 N/mm ²	D 55	>80%	>1.490	-65 to +250°F -55 to +120°C
UV7141	Bonding metal hinges to glass	Metals, Dual Cure	UV- Anaerobic	1000 - 1700	2000 - 2500 psi 14 - 17 N/mm ²	D 65	35%	1.490	-65 to +300°F -55 to +150°C
UV612	Decorative glass bevel bonding	Bevel Bonding	UV	450-650	1200-1700 psi 8-12 N/mm ²	D 35	>50%	>1.490	-65 to +250°F -55 to +120°C
UV6160	Ideal for invisible joints	Excellent optical clarity	UV- Visible	1000 - 2000	1600 psi 11 N/mm ²	D 70	125%	>1.490	-65 to +250°F -55 to +120°C
UV6231	Glass and crystal bonds that require moisture resistance	Optical clarity, moisture resistance	UV	5000 - 8000	1450 psi 10 N/mm ²	D 48	>120%	>1.490	-65 to +250°F -55 to +120°C
TA4246	Architectural projects involving high strength bonds	Structural acrylic adhesive	Resin & Brush-on initiator	28,000	2300 psi 16 N/mm ²	NA	NA	NA	-40 to +250°F -40 to +120°C

Strength results will vary depending on the level of surface preparation and gap.

For full, up-to-date technical information and usage instructions, please refer to the TDS (Technical Data Sheet).

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