Permabond®
Engineering Adhesives

GLASS BONDING ADHESIVES & SEALANTS



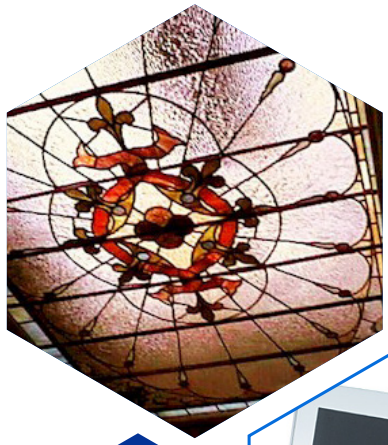
Permabond adhesives for glass form very high strength bonds in load bearing joints.

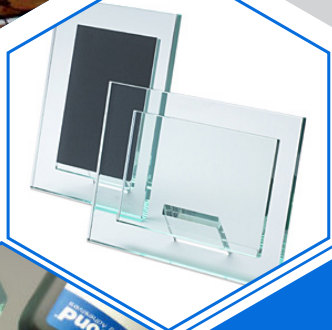
Glass furniture and display cabinets benefit from formulations that offer flexibility and stress absorption when bonding dissimilar substrates. Product information for our most popular glass bonding adhesives can be found on the next page, but please contact Permabond to review your application for a 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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The information given and the recommendations made herein are based on our experience and are believed to be accurate. No guarantee as to, or responsibility for, their accuracy can be given or accepted, however, and no statement herein is to be treated as a representation or warranty. In every case we urge and recommend that purchasers, before using any product, make their own tests to determine, to their own satisfaction, its suitability for their particular purposes under their own operating conditions. Always refer to current product technical datasheet for most recent and accurate technical information.