

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.

Typical Applications

Permabond® Glass Bonding Adhesives Features & 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 solvents

Furniture

Art Glass

Lamp Shades

Bathroom Cabinets

Shelving

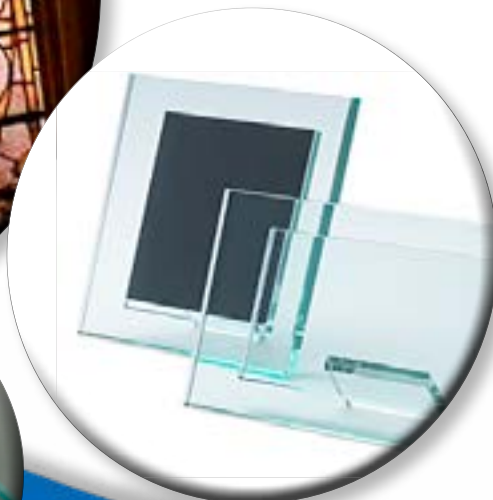
Mirrors

Doors

Display Cabinets

Bevelled Glass

Glassware



■ 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	800-1,000	1,900 - 2,300 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	2,200-2,900	1,300 - 1,500 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	1,300 - 1,500 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	2,000 - 3,000	870 - 1,450 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	1,000 - 1,700	2,000 - 2,500 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	1,200-1,700 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	1,000 - 2,000	1,600 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	5,000 - 8,000	1,450 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	23,000	2,300 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).

Contact Permabond

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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 data sheet for most recent and accurate technical information.