Permabond®
Engineering Adhesives

ADHESIVES & SEALANTS FOR LIGHTING



Permabond Engineering Adhesives manufactures adhesives that are trusted for the many bonding, coating and sealing applications found in lighting manufacturing and assembly.

Permabonds diverse adhesive technologies provide manufacturing solutions for all lighting industries.

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.

LIGHTING MANUFACTURERS SERVING THE FOLLOWING INDUSTRIES HAVE UNIQUE ADHESIVE REQUIREMENTS:

- Architectural
- Commercial
- Consumer
- Industrial
- LED
- Optical
- Parking Lot
- Residential
- Roadway
- Safety
- Stadium
- Theater
- Vehicle



IDEAL FOR BONDING:

- ABS
- Acrylic
- Aluminum
- Carbon Fiber
- Composite
- EPDM
- FRP/GRP
- Ferrite
- Glass
- Laminate
- Leather
- Nylon
- Phenolic
- Polycarbonate
- Polypropylene*
- Polyethylene*
- Polystyrene
- PVC
- Rubber
- Steel
- Titanium
- Zinc

...and many more!

*Specific grades only

ADHESIVES FOR LIGHTING

Application Description	Grade	Type	Features	Temperature Resistance	Handling Time
Dome Coating	UV683	UV Cure	Fast, tack free, clear, non-yellowing protective coating	-55 to +120°C -65 to +248°F	3.5 sec @ 33mW/cm2
Potting	ET500	2-part Epoxy	Fast, clear, low viscosity and non-yellowing	-40 to +80°C -40 to +175°F	5 - 8 min
Thermal Management	ES578	1-part Epoxy Heat Cure	Electrically insulating, thermal conductivity 1.5W/(m.K)	-40 to +180°C -40 to +355°F	30 min @ 150°C (300°F) (full cure)
Thermal Management	TA4392	Surface Activated - use with Initiator 41	Structural Acrylic Thermal Conductivity 1.1W/(m.K)	-55 to +165°C -65 to +329°F	10-30 sec
Thermal Management	MT3836	2- part Modified Epoxy	Soft and flexible. Thermal Conductivity 1.05W/(m.K)	-40 to +120°C -40 to +250°F	2 - 3 hours
Wire Tacking	947, CSA NF	Instant Adhesive Accelerator	Fast strong bonds to a variety of surfaces.	-55 to +80°C -65 to +180°F	10 sec
LED Strip Bonding	ET515	2-part Epoxy Room Temp Cure	Dual cartridge with static mix nozzles bond flexible LED strips	-40 to +80°C -40 to +175°F	25 min
Housing sealing	MS359 Clear	MS Polymer	One part moisture cure, excellent weather resistance	-40 to +100°C -40 to +212°F	20 min (skin over time)
Reflector Bonding	825	Instant Adhesive Room Temp Cure	Single component, high temperature resistant	-55 to +200°C -65 to +392°F	20 sec
Reflectors / Housing Bonding	920	Instant Adhesive Room Temp + Heat Cure	Highest temperature resistant instant adhesive	-55 to +250°C -65 to +482°F	10 sec
LED Enclosures / On/Off Buttons	940 series	Instant Adhesives Room Temp Cure	Low odor, Non-blooming grades range from 7cPs to 1200cPs	-55 to +80°C -65 to +180°F	10 sec
PC Lens Bonding	UV630	UV Cure	UV630 is ideal for bonding polycarbonate lenses	-55 to +120°C -65 to +248°F	<5 sec @ 33mW/cm2 (full cure)
Glass Lens Bonding	UV6160	UV Cure	UV6160 forms crystal clear glass to metal bonds	-55 to +120°C -65 to +248°F	<2 sec LED
Underwater Lens Bonding	UV6231	UV Cure	UV6231 forms bonds which withstand exposure to water	-55 to +120°C -65 to +248°F	<2 sec LED
Threadlocker	A113* MM115**	Anaerobic	Seals and locks fasteners against vibration loosening	-55 to +150°C -65 to +300°F	10-15 min
Glass Lens Bonding	UV612T	UV and Heat Cure	Crystal clear bonds which resist yellow / high refractive index.	-55 to +120°C -65 to +248°F	<20 sec low power

*Available in Europe, Middle East & Australia
**Available in The Americas & Asia

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

PERMABOND.COM

Authorized distributor stamp:

info.americas@permabond.com US 732 868 1372
info.europe@permabond.com UK +44 (0)1962 711661
info.asia@permabond.com Asia +86 21 5773 4913

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.