

CHEMICAL CONCEPTS

ADHESIVE SELECTION GUIDE

Acrylic* Epoxy Urethane Cyanoacrylate Anaerobic Hot melt Emulsion Contact Sealant

	Acrylic*	Epoxy	Urethane	Cyanoacrylate	Anaerobic	Hot melt	Emulsion	Contact	Sealant
ABS	B	A	A	B	D	C	D	C	C
Acrylic	A	B	A	B	D	C	D	C	C
Aluminum	A	A	C	B	D	C	D	C	C
Brass/copper	B	A	B	B	D	C	D	C	C
Ceramic	A	B	B	A	D	C	D	C	C
Epoxy	A	A	C	B	D	C	D	C	C
Fabric	D	B	A	C	D	A	C	C	C
Fiber optics	A	D	C	B	D	D	D	D	D
FRP	A	A	A	C	D	C	D	C	C
Glass	A	B	C	B	D	C	D	C	C
Leather	D	B	A	C	D	B	C	C	C
Nylon	B	B	B	C	D	C	D	C	C
Paper/Cardboard ...	D	A	A	B	D	A	A	A	C
PVC	B	B	B	B	D	C	D	C	C
Polycarbonate	A	B	A	B	D	C	D	C	C
Polyester	B	B	A	B	D	C	D	C	C
Polyethylene	B	B	B	C	D	C	D	C	C
Polypropylene	B	B	B	C	D	C	D	C	C
Polystyrene	B	B	A	B	D	C	D	C	C
Potting/sealing	B	A	C	D	D	A	D	D	A
Rubber	D	A	B	A	D	C	D	C	C
Retaining	D	D	D	B	A	D	D	D	D
Steel/stainless	A	A	B	B	D	C	D	C	C
Threadlocking	D	D	D	C	A	D	D	D	D
Urethane	A	B	A	C	D	C	D	C	C
Urethane foam	C	C	B	C	D	D	B	B	C
Vinyl	B	B	A	C	D	D	D	C	C
Wire tacking	A	C	C	A	D	B	D	D	C
Wood	D	A	A	C	D	C	A	C	C

Bond rating code: A = Excellent B = Good C = Fair D = Poor, not recommended

* Acrylics include UV curable adhesives. Primers may improve an adhesive bond rating.