

## Glue Applications - Quick Reference Guide

Glue Type	Brand Names	Working Temp	Open Time	Min Clamp Time	Water Resist	Dry Color	Shelf Life (Years)	Cost	Cleanup	Applications, Notes, Cautions
White (Polyvinyl Acetate)	Elmer's	60°+	10-15 Min.	60 Min.	Poor	Clear	2-3	\$	Water, damp cloth	Indoor projects... Longer open time, but not as strong as yellow glue. Freezing can ruin unused glue.
Yellow (Aliphatic Resin)	Loctite, Titebond	50°+	5-10 Min.	30 Min.	Poor	Yellow	1	\$	Water, damp cloth	Indoor projects... Tacks quickly. Good, strong bond, but will eventually fail to moisture. Freezing can ruin unused glue.
Yellow Type II (Crosslink Polyvinyl Acetate)	Loctite, Titebond II WeatherTite	50°-85°	5-10 Min.	60 Min.	Excellent	Yellow	1	\$	Water, damp cloth	Indoor and sheltered outdoor projects. Sand or scrape excess after drying. Freezing can ruin unused glue.
Hot Hide	Milligan & Higgins	140°-212°	< 1 Min.	2 Hr.	Poor	Clear, milky	Indef.	\$\$	Water, damp cloth	Indoor and antique restoration projects or project that may need to be dismantled later. Joints can be steamed apart.
Liquid Hide	Milligan & Higgins	70°-90°	10 Min.	12 Hr.	Poor	Clear, milky	6 Mo.	\$\$	Water, damp cloth	Indoor and antique restoration projects or project that may need to be dismantled later. Joints can be steamed apart.
Polyurethane	Gorilla Glue, Probond	50°+	30 Min.	4 Hr.	Excellent	Yellow	6 Mo.	\$\$\$	Mineral spirits	Outdoor projects. Waterproof, by claim, and close in reality. Actually cures in presence of water. Wear gloves.
Epoxy	Hysol, Epoxy	35°+	5 Min.-12 Hr.	Varies	Waterproof	Clear (color w/ filler)	1	\$\$\$	Acetone	Outdoor projects. Waterproof with very high strength. Very chemical resistant when cured.
Instant (Cyano-acrylate)	Super Glue	50°+	15 Sec.	= 1 Min.	Good	Clear	1	\$\$\$\$	Acetone	Indoor and light projects. Bonds skin instantly, so be careful!
Hotmelt	GlueShot, Hot Melt	240°-400°	= 45 Sec.	= 20 Sec.	Fair	Clear, Yellow	2	\$	Mineral spirits	Crafts & hobbies. Very hot and will burn human flesh... be careful!
Contact Cement	Weldwood, Liquid Nails	65°+	1 Hr.	N/A	Fair	Clear	1	\$	Xylene, Mineral spirits	Plastic laminate countertops, veneer projects. Vapors are extremely flammable... do not use near open flame!
Spray Adhesive	3M Super77, Stencil Stik	50°+	= 1 Min.	N/A	Poor	Clear, yellow	1	\$\$	Acetone, Mineral spirits	Paper/fabric to workpiece projects. Vapors are extremely flammable... do not use near open flame!
Resorcinol	Resobond, Aerolite	65°+	15 Min.	12 Hr.	Waterproof	Red, brown	1	\$\$\$\$	M.E.K.	Aircraft, boat building projects. Vapors are hazardous... use respirator and gloves!!!