



GUIDE TO GLUES AND ADHESIVES

Type of Glue	Setting Time	Curing Time	Best Used On	Comments	Cautions
CA Glues (Cyanoacrylate) "Superglues"	5-60 sec.	2 hours	wood	Apply to clean surface	Will fog clear plastic
			metal	Apply sparingly	Will glue skin instantly
			plastic	Best on non-porous surfaces	
				Thicker viscosities can be used to fill gaps in models	
Epoxy	5-20min.	12 hours	paper	Can be used on smooth or porous surfaces	Do not work well on flexible surfaces
			metal	Can be used to fill gaps	
			plastic	Comes in a 2 part system that requires epoxy and hardner to be mixed prior to use	
			polyurethane foam	Is fuel-proof and water-proof when dry	
			glass	Will not shrink	
			fiberglass		
Polystyrene Cement.	1 min.	8 hours	Plastic (styrene) models	Works best on clean plastic surfaces	Use sparingly, too much will warp the model.
				Welds the plastic together	
				Will not work well on painted surfaces	

White Glues	10-60 min.	24 hours	paper	Can be thinned with water	Will not adhere well to plastic, rubber or metal.
			wood	Can be cleaned up with water	
			plaster	Very strong when dry	
			foam		

Yellow Glues	10-60 min.	24 hours	paper	Can be thinned with water	
"Woodworking and Carpenters glue"			wood	Can be cleaned up with water	
			plaster	Stronger than white glues	
			foam	Waterproof when dry	

Multi-Purpose Adhesives	Variable	Variable	Wood	Work best if the glue is applied to both surfaces being bonded	
			plastic		
			paper		
			leather		
			cork		
			ceramics		

Rubber Adhesives	Variable	Variable	Flexible surfaces	Flexible when dry	
				Most contact cement falls into this category	

**Most glues give off fumes that can irritate your skin, eyes and nose.
Make sure that you use these products in a well ventilated area.**