



**GUIDE TO GLUES AND ADHESIVES**

Type of Glue	Setting Time	Curing Time	Best Used On	Comments	Cautions
<b>CA Glues (Cyanoacrylate) "Superglues"</b>	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	
<b>Epoxy</b>	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		
<b>Polystyrene Cement.</b>	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	

<b>White Glues</b>	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		

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

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

<b>Rubber Adhesives</b>	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.**