

SELECTION OF ADHESIVES

Use the following table of materials, and the adhesives that will bond to them, by looking up the two materials to be joined and selecting an adhesive Which will bond to both.

Material	Adhesives that Bond
Plastics:	
GRP	Epoxy Polyester Melamine formaldehyde Rubber cement (if low peel strength is acceptable)
Acrylic (Perspex)	Acrylic cement (Perspex in solvent) Epoxy Rubber cement
Cellulose acetate	Cellulose acetate in solvent Balsa cement Epoxy
Cellulose nitrate	Cellulose nitrate in solvent Balsa Cement Epoxy
Thermosetting plastic	Epoxy Rubber cements UF resin Polyester resin
Polystyrene	'Plastic cement' (polystyrene in solvent) Epoxy
Expanded polystyrene	PVA Expanded polystyrene adhesive
Nylon	Epoxy Phenolic rubber cement Resorcinol
PTFE ('Teflon')	Silicone Phenolic rubber cement
PVC	Phenolic rubber cement Nitrile rubber solution
Polythene	Silicone Phenolic rubber cement
Wood (including balsa and hardboard)	PVA UF resin PF resin Epoxy Resorcinol Balsa cement Rubber cements Polyurethane Polyester Latex Casein Dextrin, starch and gums can be used to attach paper, but not for structural joints.
Metals	Epoxy Cyanoacrylate Polyester Polyurethane Phenolic rubber cement PVA, if a weak bond is acceptable
Paper	Starch

	Dextrins Gums PVA Balsa cement Cow gum Cellulose adhesive (polycel) Latex Rubber solutions
Glass	Polyester Epoxy Rubber cements
Concrete	Latex-bitumen

Note. Oily woods such as teak may have to be scrubbed with weak caustic soda solution and glued with UF resin (epoxy or polyester resins can be used if the wood is first thoroughly dried).