



The Complete Woodworking Video Collection Gluing & Clamping Skills for Every Project

Types of Glue and Product Resources

Types of Glue

1. Polyvinyl Acetates:

Yellow glue

- Aliphatic resin
- Common “carpenters” glue
- Sands better than white glue
- Faster tack than white glue

White glue

- Polyvinyl resin
- Often dismissed, but just as strong as yellow glue
- Slower tack time than yellow
- Good for complicated assemblies
- Doesn’t sand well, will gum paper

Both yellow and white glue

- have a tendency to creep
- Stretch under long term load
- Bad choice for bent laminations or beams

CA (cyanoacrylate) glue (Crazy or Super glue)

- Water proof
- Not a lot of shear strength
- brittle
- Available in different viscosities to match needs

Hot melt

- Great for temporary bonding
- Large glue line

Hide glue

- Made from hides and bones
- Traditional form is flakes, added to water, heated

- Room and project must be warm for this to work, or it will grab too fast
- Can be disassembled with hot water. Great for antiques
- Only glue that will re-bond to itself
- Is a form of protein, so tends to take stains and finishes similar to wood, instead of leaving blotches like other glues
- Crystallizes on contact with alcohol, found in many strippers, so stripping furniture often deteriorates joints

Epoxy

- Gap filling-best characteristic
- Water proof
- Two part mix
- Can be messy to work with
- Clean up with alcohol
- Requires some gap, about .005", to work.
- Should not be used in any application that might require future disassembly, like instruments

Contact adhesive

- Used for plastic laminate and some veneering
- Water based and solvent based available
- Prefer water based
 - (a) Less flammable
 - (b) Less odor
 - (c) But dries more slowly

Polyurethane

- Water proof
- Requires moisture to cure
- Great for bonding damp materials
- Moisture in wood will retard drying time of white or yellow glue
- Good for bonding non-wood to wood
- Will fill small gaps
- Foams as it cures
- Pressure of foaming action can push joint open

Cold press veneer glue

- Refers to cold application, as opposed to some industrial presses that are used hot
- Thicker bodied, prevents bleeding through veneers

Product Resources

- Vacuum Bag: Roarokit
www.roarokit.com
(416) 938-4588 (Canada)
- Pinch Dogs Woodcraft Supply
www.woodcraft.com
(800) 225-1153