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Glue

It Holds Things
Together

Different Types of Glue

I've Used and liked:

- White Craft Glue - Elmer's
- Yellow Wood Glue - Titebond
- Polyurethane - Gorilla Glue
- Super Glue (Cyanoacrylate) - Starbond
- Hot Melt Glue
- Spray Adhesives
- Contact Cement
- Two Part Epoxy

White Craft Glue

Various size squeeze bottles



- Non-toxic
- Washable
- No run
- Good for paper and fabrics
- Not waterproof
- Not recommended for wood assembly

Yellow Wood Glue

I like the Titebond Brand Wood Glues

Available in Various size squeeze bottles



Titebond Original

- Open time: 4-6 minutes
- Fixture time: 10-15 minutes
- Develops a bond stronger than the wood
- Excellent sandability
- Water cleanup (before it dries)
- Unaffected by finishes

Yellow Wood Glue

I like the Titebond Brand Wood Glues

Available in Various size squeeze bottles



Titebond II

- Open time: 4-6 minutes
- Fixture time: 10-15 minutes
- Excellent sandability
- Water cleanup (before it dries)
- Water resistant



Titebond II - (Dark)

- Same characteristics as Titebond II
- Dries Dark Brown
- Good for dark woods

Yellow Wood Glue

I like the Titebond Brand Wood Glues

Available in Various size squeeze bottles



Titebond III Ultimate

- Open time: 8-10 minutes
- Fixture time: 20-25 minutes
- Develops a bond stronger than the wood
- Excellent sandability
- Water cleanup (before it dries)
- Waterproof - passes the ANSI/HPVA water-resistance test
- FDA approved for indirect food contact (Cutting boards)
- Unaffected by finishes

Yellow Wood Glue

I like the Titebond Brand Wood Glues

Available in Various size squeeze bottles



Titebond Quick & Thick

- Open time: 3-5 minutes
- Fixture time: 10-15 minutes
- Develops a bond stronger than the wood
- Excellent sandability
- Dries clear
- Water cleanup (before it dries)
- Not recommended for exterior use
- Minimal clamping pressure required
- Sets up quickly

Polyurethane Glue

Available in Various size squeeze bottles



Gorilla Polyurethane Glue

- Open time: 5-10 minutes
- Fixture time: 15-25 minutes
- Water Proof
- Excellent sandability
- Paintable
- Wear gloves when handling
- Moisture activated
- Lightly moisten one side of the joint
- Use a scraper to remove squeeze-out after it has dried.
- Best for edge gluing if you use a drum sander
- Does not store well after opening

Super Glue (Cyanoacrylate)

Available in Various size squeeze bottles



Starbond 'Thin' Super Glue

- Water thin cyanoacrylate
- 'Instant dry' glue normally used
 - To strengthen porous items
 - Build up a finish on objects
 - Strengthen powder inlays
- Dries clear
- Penetrates narrow cracks through capillary action
- Bonding time: 5-10 seconds
- Use accelerator to prevent absorption on very porous surfaces
- Recommend storage below 40 degrees F
- Have 'de-bonder' available
- Will not stick to plastic gloves

Super Glue (Cyanoacrylate)

Available in Various size squeeze bottles



Starbond 'Medium' Super Glue

- 'Oil like' viscosity cyanoacrylate
- 'Instant dry' glue normally used
 - Build up a finish on objects
 - Bond close fitting parts
 - Repair broken ceramic items
- Dries clear
- Penetrates medium width cracks through capillary action
- Bonding time: 10-20 seconds
- General, multi-purpose craft and hobby adhesive
- Recommend storage below 40 degrees F
- Have 'de-bonder' available
- Will not stick to plastic gloves

Super Glue (Cyanoacrylate)

Available in Various size squeeze bottles



Starbond 'Thick' Super Glue

- 'Syrup like' viscosity cyanoacrylate
- 'Instant dry' glue normally used
 - Heavy duty bonding
 - Repairing and filling larger gaps and cracks
 - Repair broken ceramic items
- Dries clear
- Bonding time: 30-40 seconds
- Especially useful when precise control of each drop is required
- Can be sanded and polished
- Recommend storage below 40 degrees F

Hot Melt Glue

Available in various formulas and lengths



Uses a glue gun to melt glue sticks

- Glues almost anything to anything
- Involves high temperatures - burn hazard
- Glue sticks are available in a variety of:
 - Colors
 - Temperature ranges
 - Uses (materials)
- Bonding time: from 30 seconds to several minutes
- I've used for:
 - Temporary jigs
 - Install lining in boxes

Spray Adhesive

Available in spray cans



Elmer's Mounting Spray Adhesive

- 'acid-free spray adhesive
- Repositionable mounting spray
- Can re-stick multiple times
- Great for scroll saw patterns
- Kind of like "post-it-note" adhesive

Contact Cement

Available in various size cans



DAP Weldwood Contact Cement

- Original Formula is flammable
- Sets fast
- Used to bond laminates to counter tops
- No clamping required
- Roll or brush it on, let it almost dry and press items together
- Permanent bond
- **New Non-flammable formula available**
 - Easy cleanup with water
 - Superior adhesion
 - Easy to spread
 - Low VOC formula - can use it indoors

Devcon Two Part Epoxy

Twin tube, single plunger dispensing syringe



5 Minute Epoxy

- Dries clear
- Bonds metal, glass, ceramics and wood
- Open time: 4-7 minutes
- Fixture time: 10-15 minutes
- Functional strength: 1 hour



2 Ton Epoxy

- Dries clear
- Bonds metal, glass, ceramics and wood
- Open time: 8-12 minutes
- Fixture time: 30-35 minutes
- Functional strength: 4 hours

Handy Glue Items



4 oz. Plastic Squeeze Bottles

- Easy to dispense the glue
- Pin point precision of glue nozzle (1/16")
- Inexpensive - on eBay for about a dollar



Old Tooth Brushes

- Use with water to cleanup glue squeeze out
- Easy to get in tight places and edges of joints



Glue Bottle Rack

- Keeps glue bottles upside down and ready to dispense glue
- Scrap wood block with 5/8" holes
- The heavier the better

Handy Glue Items



Glue Brushes (aka Acid Brushes)

- Easy to use
- Spreads the glue evenly
- Inexpensive - Disposable



Silicone Glue Tools (Rockler)

- Cleanup with soap and water
- Glue brush, tray and spreader
- Inexpensive



Old or Promotional Credit Cards

- No cost
- Spreads glue over larger areas
- Disposable

Questions ?