GLUING METAL FINDINGS 101 #68-007-03

Rings & Things

EPOXY 220

WHICH GLUE IS BEST?

- **Super glues** (cyanoacrylate glues) are best for surfaces that fit exactly together (no gaps), or where you need just a small dab for extra security.
- **Two-part epoxies** require mixing, but have excellent long-term durability (even for foil-back crystals). Great for production craftspeople!
- **Specialty & craft glues** are each designed for specific applications. Some are flexible, and many will bond plastics, foil-back crystal, porous materials (wood, fabric, etc.), or metal-to-metal bonds.
- Adhesive dots are strong, easy to use, and removable. They work best on lightweight applications.
- **Resins and sealants** can sometimes also be used as adhesives.

GLUING HINTS & TIPS

- Follow the manufacturer's directions.
- Test a small sample and allow it to cure thoroughly before proceeding.
- When possible, use a file to roughen smooth surfaces. This allows for a stronger grip.
- Clean both surfaces before applying adhesive (we recommend isopropyl alcohol and a cotton swab).
- Work in a well-ventilated, dry, and dust-free environment.
- Extreme temperatures might affect drying time.
- Store all adhesives in a cool place.
- MSDS (Material Safety and Data Sheets) are available upon request.

Tips to keep your E6000® fresh

- To reseal a tube of glue well: squeeze out the air, add a dab of petroleum jelly (i.e. Vaseline[®]) to the threads, and screw the cap on tightly. The jelly creates a good seal that's easy to reopen.
- While you work, put your tube of glue upside down in a glass of water to stop air from hardening the glue in the tube. Tap tube to knock water out of the tip before use.

GLUES & COLD TEMPERATURES

- Avoid shipping glues via Ground during winter months, since many will lose effectiveness once frozen. This is especially true of super glues.
- Store finished creations in a location that maintains temperatures above freezing.
- To intentionally weaken a super glue bond, place glued object in a household freezer for several hours. (Epoxy glues also become brittle in low temperatures, but most will not snap apart as super glues do).



Absinthe Fairy hair pin by Sondra Barrington Sondra used Epoxy 220 (#60-220) to glue the focal piece to a hair pin.





A Charmed Life necklace by Mollie Valente Mollie used Crafter's Pick[™] The Ultimate (#60-280) to help secure these fold over crimps to the ribbon.



Til Death Wrapped Bracelet by Danielle Montgomery Dani used Bead Fix[™] (#60-242) to secure the thread knots.



Can Can Flowers bobby pin by Toni Plastino Toni used E6000° (#60-260) to glue her DIY recycled aluminum can flowers to the bobby pin.

TWO-PART EPOXY ADHESIVES

Epoxies are very durable and long-lasting, but require mixing and have a limited working time once mixed. Be sure to work in a well-ventilated area. Ideal for nonporous materials. Use with gemstones, metal findings, glass, china, ceramics, stone, rubber, resin & paper jewelry.

24-Hour Epoxy

Long-lasting durable bond once cured. Each set

includes 4 oz of resin and 4 oz of hardener. Slight

for large production batches. Two-hour window of

#60-210

Epoxy 330 For gluing a small amount of items. It has a fast

setting time (15 minutes), and it cures in 2 hours at

room temperature, or in 10 minutes under a heat lamp. Dries clear. Ideal where speed and clarity are

important. Takes a high polish. Great for inlay work. Surfaces to be bonded are best cleaned with acetone.

#60-230

330

Each box contains two 0.5 ounce tubes of epoxy.

yellow color when dry. Slow setting time, ideal

usability after mixing; sets in 24 hours.

Hammerhead Epoxy

Ultrafast clear epoxy cement. 28ml tube. Easy-to-use "plunger" (double syringe) dispenses equal amounts of hardener and resin to be mixed. Sets in 5 minutes; full strength in 12-24 hours. Application temperature of 60-200°F. Great for wood, glass, ceramic, porcelain, marble, metal and most plastics. Safe for foil-back crystals! 40z jars.



Epoxy 220

Similar to Epoxy 330, but is a transparent amber color and is slightly stronger. Sets in 1 hour; cures in 8-10 hours. One-year shelf life. Excellent for jewelry repair. High tensile strength. Resists thermal shock. Cures as quickly as 30 minutes under a heat lamp. Surfaces to be bonded are best cleaned with acetone. Each box contains two 0.5 ounce tubes of epoxy.



#60-220

SUPER GLUES

some plastics.

Super (cyanoacrylate) glues are super fast: all the brands we offer dry clear in just 1-2 seconds. Great for securing beads, findings or knots, or for gluing pieces of a broken object back together again. Do not use with foil back crystals, polyethylene, styrofoam or Teflon[®]. Use sparingly. Super glues won't fill gaps, so use with items that fit together exactly, such as memory wire ends onto memory wire. Shown reduced

Tenax[™] Plus 7-gram (1/4 oz) bottle. Works best when used sparingly at room temperature. Not recommended for polyethylene or Teflon[®]. Not designed to fill gaps. Thicker consistency than other super glues. 2-hour cure time. Use with gemstones, ceramics, glass, porcelain, metals, paper, cloth, rubber, vinyl and

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#60-240

Super New Glue

Euro Tool® adhesive Super New Glue. Dries clear. Excellent resistance to chemicals and temperature. 3-gram bottle. Not intended for foil-back crystals. Bonds metal, rubber, glass and plastic. Good for gluing ends to memory wire. 24-hour drying time for maximum-strength bond.



Bead Fix

Bonds firmly when deprived of oxygen. Super fast and strong. Highly elastic, resistant to cold, heat and water. Our choice for memory-wire ends! Ideal for stone, glass, metal, plastic, wood and most types of beads. From the makers of Beadalon[®]. 24-hour drying time for maximum-strength bond.



SPECIALTY GLUES

Specialty glues are designed for particular tasks. Easy to use and generally nontoxic.

E-6000

Flexible, rubber-based adhesive cement. Selfleveling. Use in a well-ventilated area only. Dries clear. Waterproof, paintable, washer/dryer safe. Non-flammable. Bonds quickly to wood, metal, glass, ceramics, polymer clay and plastic jewelry. Working time is 2-10 minutes. Allow 24-72 hours to completely cure. Safe for photos.





#60-265





E6000 Jewelry & Bead™

4 precision tips included.



E6000 Spray

E6000 spray adhesive. 8 oz bottle. No odor. Interior and exterior use, easy water clean-up, no harsh chemicals. Strong and flexible. Photo safe. Shake well before use. Great for paper, wood, poster board, cardboard, photos, foil, medium to heavy-weight fabrics, vinyl, foam, glass, felt, plastic, rubber, leather and metals. No shipping restrictions for this spray version of E6000!



Amazing Quick Hold®

Quick-dry formula dries in 2-3 minutes and cures fully in 2-6 hours. Thin consistency for precise applications. Acid free and waterproof. 202. Great for wood, metal, glass, ceramics and more. Use in a well-ventilated area. Avoid contact with finished surfaces.



GS Hypo Cement

1/3 fl. oz tube with easy-to-use fine-point precision applicator. Sets in 10 minutes. 1-hour cure time (may take up to 24 hours in high humidity). Dries clear and will not damage surfaces. Flammable. Designed for gluing watch crystals, this strong glue works great for gluing pearls and small beads onto SuppleMax[™] and other cord. The only glue recommended for WireLace[®]. Not for metal-to-metal bonds. Remove excess with rubbing alcohol.



GS Hypo Fabric Cement

1/3 fl. oz tube with easy-to-use fine-point precision applicator. Unique, built-in precision applicator makes intricate fabric and textile projects effortless and mess-free. Fast drying and washable. The cement will not bond fingers. Dries clear and holds fast to fabric, textiles, plastic, arts & crafts, appliques, costuming, beads, foam sheets, yarn and home decor projects. Insert cap wire into the tube when done.



Crafter's Pick™ The Ultimate Crafter's adhesive is water based, nontoxic and

Crafter's adhesive is water based, nontoxic and washable. 4 oz. bottle of high-performance glue formulated to give a flexible water-resistant bond to hard-to-glue projects. Dries fast and clear. 24-hour drying time for maximum strength bond. Adheres to plastics, metals, vinyls, fiberglass, wood, fabrics, ceramic, glass, leather, paper, more! Product will not work if frozen.



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