

Guide: Resins & Glues

General Tips

1. Try these mixed media materials in all of our bezels. Find them here — <https://www.tierracast.com/products/?Theme=Bezel>
2. Print on coated or presentation papers.
3. Always check permanence of ink. Seal images with clear tape or an acrylic fixative. If using tape, brush super glue lightly around the edge to prevent glaze from seeping between layers.
4. Use a thin layer of super glue to glue images into frames and to prevent glaze from seeping under the image.
5. For thick layers of glaze and/or doming effects try successive thin applications.
6. All products can slightly darken photos, printed images, papers and fabrics.
7. If using botanical materials be sure they are dried thoroughly, and sealing is recommended. Try clear drying glues for two-part resin, and acrylic for UV resins. Or try laminating!
8. Allow time for bubbles to rise before curing. Scoop out with tweezers or a toothpick, or pass a heat source over the top to pop them.
9. Humidity and temperature can affect dry times.
10. When working with rivoli frames, press them into a piece of florist's foam or set in the grooves of a bead design board to hold them level while they dry.
11. Flatback rhinestones can “flatten out” if submerged in glazes. Glue them on top instead!
12. Always use good ventilation and carefully follow product use and curing instructions.

Dimensional Adhesives



PRODUCTS

Look for Diamond Glaze, Aleene's Paper Glaze, Triple Thick Gloss Glaze

USE

Use for glazing photos, computer printed images, scrapbook, papers, fabrics, inclusions (beads & other elements). Avoid shaking bottle to minimize bubbles. Watersoluble, but permanent when dry. Dry times vary but minimum 2–4 hours.

PROS

- Easy to use
- Non-toxic
- Can be self-leveling, depends on brand
- Clear, smooth, durable, permanent finish
- Can be tinted with dye-based inks, watercolor, pearlescent pigments, and pastel chalks
- Great for gluing glass cabochons

CONS

- Some can have a strong reaction to copper, creating a dark/blue tint where the glaze comes in contact with the metal
- Non-waterproof

RESOURCES

<http://www.diamondglaze.com>

Dimensional adhesives review from Everyday Moodlings—<https://www.youtube.com/watch?v=dTKr-fPjENY>

UV Resin



PRODUCTS

Look for Magic Glos Dimensional Gloss, Gel du Soleil

USE

Use for glazing photos, computer printed images, scrapbook, papers, fabrics, inclusions (beads & other elements). Some elements may need to be glued into a design with E6000 or super glue first if the design prevents UV light from reaching all areas. Allow time for glaze to spread evenly and for any bubbles to rise before placing in UV light. Remove bubbles by passing a heat source over the piece.

PROS

- ⚙ Easy to use and self-leveling
- ⚙ Non-toxic
- ⚙ Clear, permanent, waterproof finish
- ⚙ Less darkening of paper and fabric than dimensional adhesives
- ⚙ Great for layering, inclusions, and doming. Tint with transparent resin dyes
- ⚙ Dries in minutes

CONS

- ⚙ Needs UV lamp or sunlight
- ⚙ Must get all finessing of the design done before it is placed in UV light
- ⚙ Do not mix with water-based adhesives or coloring agents

RESOURCES

Magic Glos Tips & Tricks: <https://www.youtube.com/watch?v=YsnjQsl5odl>

Two-Part Epoxy Resin & Adhesive



PRODUCTS

Resins: Look for ICE Resin, Little Windows
Adhesives: Look for 2-Ton Devcon, Loctite

USE

Use resins for glazing photos, computer printed images, scrapbook papers, fabrics, inclusions (beads & other elements). Use two layers for doming. For glue-on or glue-in bails, crystallized elements, etc., try 2-Ton Devcon 30 min. epoxy. Allow 24 hours for all epoxies to fully cure.

PROS

- ⚙ Glass-like, permanent, waterproof finish. Does not react to copper
- ⚙ Very good for doming and thicker effects
- ⚙ Can be tinted with mica powder, alcohol inks, and resin tints

CONS

- ⚙ Accurate measurements and mixing times are critical for good results
- ⚙ Requires special handling and ventilation
- ⚙ Most cured resins can yellow over time
- ⚙ Epoxy resins have a shelf life. Use sooner rather than later

RESOURCES

3 Ways to Use 2-Part Epoxy Resin

<http://www.ganoksin.com/borisat/nenam/epoxy.htm>
Know Your Glue to Avoid a Sticky Situation
<http://www.alacartecclasps.com/gluing-instructions.aspx>

Beading Gem Resin Tutorials

<https://www.beadinggum.com/search/label/resin/>

Polymer Clay



PRODUCTS

Look for Sculpey, Fimo

USE

Use polymer clays to shape, sculpt, and mold into bezel components and rivoli frames. Embellish as desired and bake as per product instructions. Some embellishments may need to be glued into place after baking.

PROS

- ⚙️ Endless possibilities with polymer clay!
- ⚙️ Baking is quick and easy
- ⚙️ Comes in a variety of grades and types

CONS

- ⚙️ Should have a dedicated toaster oven for clay work
- ⚙️ Do not exceed recommended baking temperatures—pewter melts at 170–230°C / 338–464°F

RESOURCES

<https://polymerclaycommunity.com/>
<https://www.theipca.org/>

Two Part Epoxy Clays



PRODUCTS

Look for Apoxie Sculpt, Crystal Clay, Ceralun

USE

Use two part epoxy clays to mold and shape into bezel components or rivoli frames and use as a base for inclusions, paint, crystals, etc.

PROS

- ⚙️ Can be rolled, shaped and embellished like clay, but no baking required
- ⚙️ Apoxie Sculpt has a 2–3 hour working time. For other brands check instructions for working and drying times

CONS

- ⚙️ Accurate measurements and mixing times are critical for good results
- ⚙️ Requires special handling and ventilation
- ⚙️ Long curing time

RESOURCES

<https://www.cchit.org/epoxy-clay-for-sculpting/>

G-S Hypo Cement



USE

Use for gluing gemstone or crystal stones and flat-back rhinestones into glue-in components.

PROS

- Fine point application
- Dries quickly
- Good for connecting metal components to resin

CONS

- Requires ventilation
- Tip can seep

RESOURCES

G-S Hypo Cement
<http://gshypocement.com/>

Super Glues (Cyanoacrylate)



PRODUCTS

Look for Super New Glue, Loctite, Gorilla

USE

Use brush applicators for sealing edges of paper images and for gluing materials into bezels. Super New Glue and gel formulas are great for cord ends.

E6000



USE

Use for gluing three dimensional elements into bezel components and rivoli frames. Allow 24 hours to fully cure. Dries to a more flexible hold than two-part epoxies.

PROS

- Dries quickly and clear

CONS

- Thick and goopy
- Not recommended for gluing foiled crystal components
- Requires good ventilation

RESOURCES

Eclectic Products
http://www.eclecticproducts.com/amazing_crafts.htm
Available at bead and craft stores.

PROS

- Variety of applicators
- Dries very quickly

CONS

- Requires ventilation
- Dries very quickly (use acetone for cleanup)