

# For the love of Daisies

## Pressed flower soldering



Created by Nelly Arteaga for Diamond Tech Crafts



## Materials

- Dry Pressed Flowers
- FW920 Clear Transparent 90 COE Fusible Glass Sheets
- 675LF Studio Pro Lead-Free Solder
- 682 1/4" Silver Lined Foil
- 389 Flux brushes
- 675 FLUX Studio Pro Safety Flux 8OZ
- 679 Studio Pro Studio 100 Soldering Iron
- 602 Studio Pro Soldering Iron Stand
- 692 Studio Pro Stained-Glass Work Surface
- 665 Studio Pro Fid Pack
- 600 Studio Pro Running Pliers
- 654 Studio Pro Brass Glass Cutter
- 6mm Round Silver Jump Rings
- 32" silver chain with clasp
- Silver Key Ring
- Polisher
- Optional: Helping Hands Tool
- Optional: Benchtop Solder Smoke Absorber
- Regular Scissors
- Diamond Max Grinder



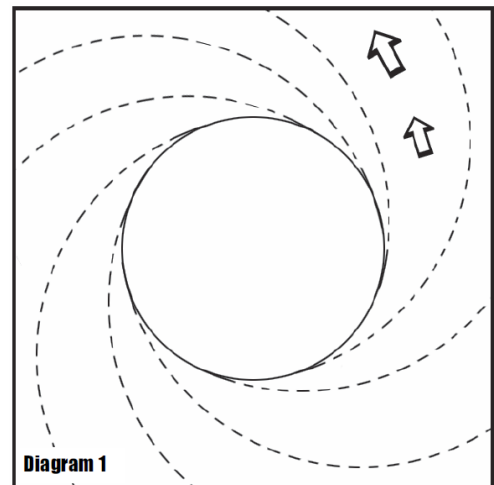
## Project Tip:

- Before you begin, find a place to work that has great ventilation where you can open a window and use a fan.
- An area safe from children and pets is recommended.
- The less you move an unfinished project, the less likely you are to have damage.



## Instructions:

1. Cut out circle template provided to you. Trace circle with a sharpie marker on two separate sheets of glass.
2. Using your glass cutter, proceed to score glass tracing the sharpie marker shape you copied from template. Make sure you score inside line and not outside line. If you trace outside the line your project will turn out bigger than intended.
3. Glass does not separate on a curve. The score line will always want to break in a straight line. To release your circle without breaking glass you will need to follow the diagram (Fig.1) The first thing you want to do is score the circle first. Add additional score lines that radiate from the circle as shown in diagram. Break out the score lines with running pliers.
4. You should now have 2 circles. If you have jagged edges, use a glass grinder to smooth out.



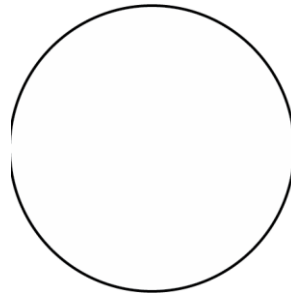
Make sure both circles are the exact size and match perfectly. This needs to be done in order to foil both pieces together.

5. Make sure glass is clean and free of grease and debris. This helps the copper foil adhere to glass better.
6. Select the pressed flower you wish to sandwich in between the two pieces of glass. Make sure the flower is dry and free of moisture. It is best to use pressed flowers that have been dried put for at least a week.
7. Make sure the glossy side of the glass is facing outward, and the rough back of the glass with sandwich in the flower.
8. Once glass and flower are perfectly assembled, apply copper foil along the outer edge. Apply pressure down with thumb to hold down the starting point of copper foil. Don't pull too hard when wrapping foil around glass. You risk breaking foil and you want one smooth strip all the way around.
9. Cut with sheers once the two ends meet and press down.
10. Using a fid, smooth down copper foil until all edges and bubbles are fully flattened. The flatter the copper foil, the better it will not raise when applying solder.
11. Plug in your soldering iron. **WARNING:** No drinking, eating or smoking while handling lead solder! Pregnant or nursing woman should avoid all lead solder. Open window and turn on fan when soldering.
12. Use a fire-resistant surface on which to solder. A homosote board works well and can be purchased at your local building supply store.
13. Apply a small amount of flux with a brush to your foiled seams. Apply only to areas you will be able to work in 10 minutes. Solder will not properly adhere to glass without foil and flux.
14. Pull out about 9 inches of solder from the spool, do not cut.
15. Place the hot soldering iron tip on the seam you want to solder. Use the narrow edge as opposed to the flat edge, as this helps to raise the solder bead. Now that the tip is on the foil, place the solder from the spool about  $\frac{1}{2}$ " up from the end of the tip. Gently push the solder into the tip, as you move the tip along the seam. Let up on the amount of solder when you come to the end of the seam. Now wipe your tip and put the iron back into the iron stand. **TIP:** Use a handy tool of heat resistant gloves to hold the pendant your working on with out burning your fingers from the heat of the solder.

16. Do not leave the soldering iron in one place too long; this can crack the glass, or the solder can “melt through.” This means the solder will liquefy and fall through the foil seam between the glass.
17. Solder the front, back and sides of your project, wherever foil is exposed. Then do a final solder bead. You will acquire this skill over time. All seams and outer areas should have a raised bead.
18. To apply a jump ring to the top of the pendant, apply flux to the spot where you want to connect the jump ring to. Also apply flux to the jump ring. Add a bead of solder to connect the two together. This is a very tricky part of the project, and not everyone’s favorite. With practice it gets simpler. Using a Handy Tool will help hold the jump ring for you while you solder.
19. When you have completed the soldering, let the glass cool completely. Spray a cloth with your vinegar solution and wipe the flux off the project. Clean your finished project with liquid soap and water, rinse thoroughly, and dry.
20. Connect pendant to a 32” inch long chain or attach to a key ring.

Perfect gift for any loved one.

**Circle Template:**



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