

# Fused Glass Jewelry Kit - 90 COE

## Create Pendants and Earrings with Dimension



1. While wearing safety glasses, score glass with a glass cutter and break using running pliers, or use mosaic nippers to cut off small pieces.
2. Prepare your kiln shelf and molds with shelf wash following manufacturer directions.  
Note: Instead of applying shelf wash to the shelf you can use fiber paper.
3. Working on the prepared shelf, select a glass piece to use as a base for your stack, arrange pieces of dichroic glass on top and cap with a layer of clear or light colored glass if desired. Create as many stacks as you want. Leave 1/2" between stacks to prevent them from joining together during the firing process.  
Note: When heated, glass naturally wants to be 1/4" thick. If your stacked glass is less than 1/4" thick, the glass will shrink to become approximately 1/4" thick, if it is more than 1/4" thick it will spread out. Use any combination of glass layers to achieve 1/4" thickness, such as 2 pieces of standard glass, 1 standard and 2 thins, 4 thins, etc.
4. Place the shelf into the room temperature kiln and fuse. (See chart below.)
5. Once cooled, remove the cabochons from the kiln and rinse clean.
6. Place prepared mold(s) on kiln shelf, center cabochon(s) on top and slump following the schedule below.
7. Once your jewelry has been slumped, use E6000 to adhere the findings.



## Tips for working with Dichroic Glass

What is dichroic glass? It is glass with a dielectric coating of 15-45 layers of metal oxides that creates a shifting effect.

Dichroic coating is only on one side of the glass. The dichroic coating cannot stick to itself; it needs to have glass in between to be able to fuse together. To determine which side the coating is on you can use the "pen trick". Hold your piece of dichro flat and, holding a pen vertical, lower it to touch the glass. If the reflection from the pen meets the tip (see figure 1), then that is the dichroic side. If there is a gap (see figure 2), then the uncoated side is up. Cut on the coated side of smooth dichro and cut on the smoother backside of textured glass.



Figure 1



Figure 2

Get more from your dichro! You can change the appearance of your dichroic glass by placing a layer of colored glass on top. Capping your dichroic glass adds depth while still having a smooth finish. Uncapped dichro has more of a rough, matte finish. In the projects shown above both methods were used.

### Firing Schedules:

Program:	Rate:	Temperature:	Hold:
Fuse	300° F	1000° F	5 minutes
	300° F	1450° F	10 minutes
	FULL	900° F	10 minutes
Slump	300° F	1000° F	5 minutes
	300° F	1300° F	10 minutes
	FULL	900° F	10 minutes

**NOTE:** Firing times and temperatures may vary, each kiln is unique.



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