All you need are printed and kiss-cut decals (stickers). Doming resin to produce high quality 3D labels and badges. A great way to add value to a product Inexpensive to set up. Easy to use.

To begin you will need the following:

- Heat source
- Dispensing gun
- A good supply of paper towels
- Glass spacers
- Non-sterilised gloves
- Resin cartridge twin pack
- Safety goggles
- Static mixer
- Scalpel
- 3 or more glass sheets - laminated glass, edge ground.

**Saving money:**
Placing the gun, resin cartridge and mixer assembly in a refrigerator, will stop the curing process, allowing you to take that phone call or call of nature. Make sure you wipe the assembly down with a dry cloth when removing from refrigerator.

**Saving time:**
Placing the glass sheet with the domed decals in a pre-heated oven (40° degrees C) will reduce the cure time from 4 hours to 20 minutes.

The Domer’s nightmare:
Everything looked great last night - why has this dome exploded?

Polyurethane resins react violently with moisture - this is a slow process and normally takes 4-5 hours to occur. It can take many forms, a worse case scenario is illustrated here. 90% of the time, small bubbles will appear the next morning, or the surface of the decal will remain “sticky” if not properly set. The first is caused by moisture on the surface of the decal before doming, and the latter by moisture on the surface of the dome after doming. To avoid this, wipe the decal with a clean dry cloth before doming and do not breathe on or touch the decal with your fingers. Ideally you should dome in a clean, dry and air-conditioned room.

Dome your decals by gently squeezing resin onto the surface. Be careful not to apply too much or too little (this will come with practice). The resin will automatically move toward the silicon coated backing paper. Don’t worry if it doesn’t move all the way to the edge of the decal - you’ll have time to correct this later.

If any bubbles appear on the surface of the domed decal - use a gentle heat source (such as a hair dryer or flame) to pop the surface bubbles. Do not apply flame directly to the resin.

Next, place a sheet of glass on spacers over domed decals to prevent dust, etc, from affecting your decals and to allow you to dome the next set of decals. Repeat as many layers as required.

Repair decals that have uncovered areas by dragging the resin gently outwards with a scalpel or utility knife.

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1. Make sure your table is level. Weed your printed work to prepare it for doming.

2. Lay your work on a flat glass sheet - use masking tape to secure.

3. Place plunger into dispenser, ensuring serrated edge faces the handle - making sure the plunger is all the way home.

4. Making sure the plunger is all the way home, lift the flap and place the cartridge into the dispensing gun.

5. Remove the safety cap from the cartridge by turning 90° and gently pulling.

6. Be sure to wipe the night cap, once removed, to avoid complications later when resealing.

7. Squeeze the dispenser until both cylinders are ejecting resin. Make sure the cartridge is inclined as shown in the image. (back lower than dispensing tubes.)

8. Now attach the static mixer to the cartridge. Aligning the tubes on the static mixer with the tubes on the cartridge, gently push them together.

9. Turn the retainer nut 90 degrees to lock the mixer into place.

10. Pull gently on the trigger until the resin is ejected from the end of the static mixer. Make sure that the cartridge is inclined as shown in the image.

11. Wipe excess resin from the static mixer.