

ULTRADome

All you need are printed and kiss-cut labels or stickers (the sticker backing isn't cut to the shape of the sticker).

Doming resin to produce high quality 3D labels and badges.

A great way to add value to a product

In-expensive to set up.

Easy to use.



11 Dome your decals by gently squeezing resin onto the surface. Be careful to not 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.



12 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.



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



14 Next, place a sheet of glass on spacers over domed decals to prevent dust etc from affecting your decals.

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 it normally takes 4-5 hours to occur. It can take many forms, a worse case scenario is illustrated here. Ninety percent of the time, small bubbles will appear the next morning, or the surface of the decal will remain "sticky" as if not set properly. 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 cool room.**

If you have access to an oven, simply place the glass sheet with the domed decals in an oven which has been preheated to about 40 degrees C for 20 minutes. They will then be set and ready to ship.



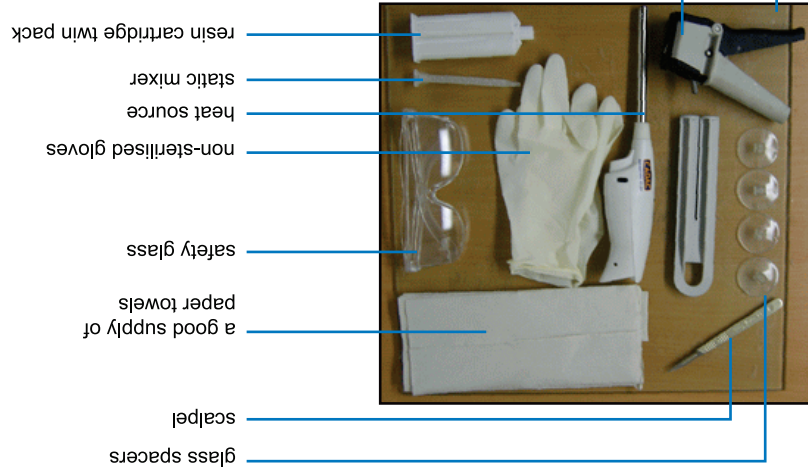
Saving money:

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 4hours to 20 minutes.

To begin you will need the following:



NB: Please do not use plate glass! Glass is dangerous!!!!
 3 or more glass sheets- laminated glass, edge ground.

glass spacers

scalpel

a good supply of paper towels

safety glasses

non-sterilised gloves

heat source

static mixer

resin cartridge twin pack

dispensing gun

3 or more glass sheets- laminated glass, edge ground.



1 Weed your printed work to prepare it for doming.



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



4 Place the cartridge into the dispensing gun.

3

Place plunger into dispenser, ensuring serrated edge faces the handle.

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



7 Squeeze the dispenser until both cylinders are ejecting resin.



6 Gently break off the seal of the cartridge. Keep the seal in a safe place for resealing later.



8 Now attached the static mixer to the cartridge. (This screws in)



10 Wipe excess resin from the static mixer.



9 Pull gently on the trigger until the resin is ejected from the end of that static mixer.

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