

Kaiser Glass Designs

Screen Printing with Proscreen™

Supplies

ProScreen™ printing screen

Image on acetate sheet (“negative”)

UV light (we use 18 or 24 inch fluorescent UV light (also called black light))

Small sheets of clear glass and a back sheet of some sort

Water bath

Hand Pump Water sprayer (can use garden type pump sprayer)

Spatula (painter’s palette knife)

Squeegee

Spritzer water bottle (usually in cleaning supplies department at Home Depot, Lowes, etc.)

Hairdryer

Hot air gun

Process—Making the screen

1 In darkened room, remove and discard the protective cloudy plastic cover from the unexposed screen. Note that this is the matte plastic on the screen. Use craft knife to poke screen side to remove from the plastic. Work quickly as the screen is being exposed by light.

2 Make a sandwich out of the backing sheet (can be cardboard or glass), the unexposed screen (slick-emulsion side up), the negative, and the smooth clear piece of glass on top

3 Put the sandwich under the UV lamp (approximately 2 inches from the bulb) clear glass on top.

4 Turn bulb on and expose (approximately 3.5 minutes for our setup). Time is based on bulb strength and distance.

5 Turn off the bulb, remove the screen from the sandwich, and place the screen with slick-side up in lukewarm water.

6 Let screen stay in water for one minute (time not critical).

7 Spray screen from about 4-6 inches with hand sprayer. Spray must be directed perpendicular to the screen.....not at any angle. Continue spraying until developed.

8 Inspect the screen carefully for any area that may not be washed away. The best way is to hold it up to a light and go over all the areas of the screen looking for places that the light does not go through. Repeat spray if necessary. **DO NOT OVER-SPRAY.** Once the screen is washed out stop!

9 Dry with hairdryer.

10 Place under UV lamp again and expose for at least 10 minutes to harden emulsion.