

The Custom Photomask enclosed was produced on SR2000™ photoresist film with RZ-3 adhesive applied. (unless SR3000™ Self-Stick was requested)

Recommended Supplies

- Plastic Squeegee
- Blasting Tape
- Wire Wheel Brush (optional)

**Note: if multiple images are on one sheet, trim into single masks with scissors or use Rayzist film trimmer.*

SR2000™ & SR3000™ Photomask Application

Prepare

Clean substrate with glass cleaner

Apply

Align the photomask to the substrate adhesive side to surface. SR3000™ is repositionable and can be realigned on your substrate multiple times.

Use plastic squeegee and apply pressure to secure photomask to surface.

Remove plastic clear carrier. Use plastic squeegee to “flick” corner of photomask separating the plastic clear carrier or fold a corner of the photomask on the sticky side on the film and pinch with pressure a few times. The plastic clear carrier will separate providing a pull-tab.

Peel plastic clear carrier away from photomask.

As an option, roll Wire Wheel Brush over design one or two times to perforate the thin membrane releasing any trap air under the design.

Apply blasting tape to cover exposed area and protect from abrasive over spray



Blast

Use Silicon Carbide or Aluminum Oxide as a blasting abrasive. See blasting pressure guideline below. Hold blast nozzle at a 90 degree angle and a range of 4" to 8" away from the photomask.

When using SR2000™ Photomask there is a layer of adhesive you will blast through first.

For SR3000™ Self-Stick film the membrane (thin plastic) will blast away quickly.

Abrasive

Silicon Carbide or Aluminum Oxide 220grit to 120grit

Blasting Pressure

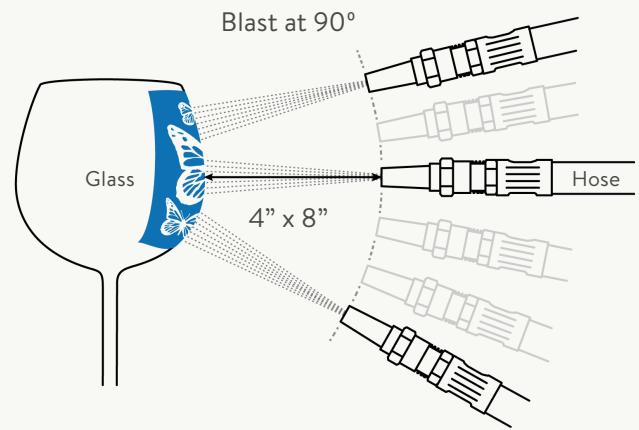
3mil 10-35psi

6mil 30-60psi

4mil 10-40psi

9mil 30-100psi

5mil 10-50psi



Common Questions

Why is there is a slight residue left on the surface?

Residue is not common after sandblasting, but can occur on surfaces such as metal and stone. In most cases soap and warm water will remove the adhesive residue. If residue is still left behind then a stronger solvent will be needed to remove residue such as WD40, Goo Gone or Naptha (camping fuel) with a soft towel. Test the solvent on a sample to make sure discoloration does not affect the surface.

Why is the SR3000™ Self-Stick photomask not sticking to the surface?

SR3000™ can feel less tacky in a dry climate. Reactivate the adhesive on the SR3000™ by adding moisture. For more information see youtube.com/sandcarving.

Can I blast using a siphon system?

Blasting with more air than abrasive can lift up the mask which is especially common with siphon systems. Siphon systems use more air than abrasive when sandcarving, it is important to ensure the mask is secured to the substrate and you blast at a 90-degree angle to the surface.

Why is the mask lifting up during blasting?

It is important to hold the nozzle at 90 degrees to surface. The substrate or the nozzle may have rotate during blasting to maintain a 90-degree angle, especially when sandcarving bowls, vases or wine glasses. Blasting at sharp angles can cause the mask to lift up. Start the blast 10-12" away from the substrate to allow the mask to compress to surface by blasting away the membrane, then move the nozzle closer (4-5" in distance.)