

High Detail



MONUMask™

1. SURFACE PREPARATION

Before applying MonuMask to the surface to be etched, it is important that it be clean and dry. Dust, oil, or other solutions will inhibit the mask from fully adhering to the surface. Clean the surface with ammonia-free glass cleaner to remove dust and oils.

2. MONUMASK REGISTRATION

Since MonuMask cannot be repositioned once the mask has been applied, it is important to take steps to assure proper application the first time. Placing registration marks in the artwork is one practical method. Another suggestion is to use the hinge method. Before applying the adhesive, position the film exactly where it needs to be. Tape along one of the edges using masking tape to hold the film in place. Hinge or flip the film back along the taped edge.

3. ADHESIVE APPLICATION

(skip this step for self adhesive stencil mask)

Apply adhesive directly to the object to be etched. Using a foam brush, apply an even and thin coat of the adhesive. Avoid buildup at the end of your brush strokes (unless they are out of the blasting areas). The adhesive goes on a white, milky color and dries to a clear finish in approximately 10 minutes at room temperature.

Once dry, carefully move the film back over the substrate, but keep it elevated so it does not prematurely come in contact with the adhesive-coated surface. Starting at the taped edge, squeegee the film down onto the substrate. Squeegee the entire surface to ensure good adhesion.

NOTE: Although the adhesive has been designed to be blastable, applying it too thick can cause it to act as a resist.

4. CARRIER SHEET REMOVAL

Remove the carrier sheet from the mask by flicking a corner with your fingernail or an X-acto knife. Once part of the carrier sheet has released from the mask, continue to remove the clear carrier sheet from the entire mask. Once removed, press down on the image area with your thumb to assure the transparent membrane has firm contact with the object. Bubbles larger than ¼" should be popped with a pin or X-acto knife and taped over.

5. SANDCARVING

Sandcarve with the nozzle 6 - 8 inches from the object and perpendicular to the surface. The grit size should be 180 or finer, depending on the detail of the image. Recommended abrasive media is either aluminum oxide or silicon carbide.

Maximum blasting pressure is 30 - 40 psi with a pressure-pot system and 80 psi with a siphon system.

6. MASK REMOVAL

Soak the object in warm water for 10 -15 minutes. For quicker results, use our Resist Remover to dissolve the mask. Another option is to peel the mask from the substrate.

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