

**Congratulations** on the purchase of your patented Sand-Etch® sandblasting system. This kit has been produced with the finest materials available and will provide you with years of reliable service if properly maintained. The only wearable part on this tool is the sandblasting nozzle (A), which should be periodically checked and replaced when signs of wear are noticed. The Sand-Etch® sandblasting housing (B) is designed to be used only with Sand-Etch® replacement propellants (F) and abrasive media (E).

**Warning** THIS PRODUCT IS NOT A TOY.  
NOT RECOMMENDED FOR USE BY CHILDREN.  
IMPORTANT: Ages 18 to Adult.

Read all instructions before using your new Sand Etch® Sandblaster. Neither seller nor manufacturer shall be liable for an injury, loss or damage, direct or consequential, arising out of the use of or the ability to use the product. Before using, user shall determine the suitability of the product for the intended use and assume all risks and liabilities in connection therewith.

SAND ETCH® KIT includes a non-flammable aerosol propellant and an abrasive.  
WARNING! CONTENTS UNDER PRESSURE. CAUTION! Abrasive may irritate eyes, skin and respiratory tract. Read and follow complete caution statements on each container. KEEP OUT OF THE REACH OF CHILDREN AND PETS! ADULTS ONLY.  
Not intended for use by children. Conforms to ASTM D-4236.

## Getting To Know the Sand Etch® Sandblasting System

**A Nozzle** - Part# 70-9109 - The nozzle is the only part of the Sand Etch sandblaster that is replaceable. To replace, grasp the nozzle in your finger tips and pull it straight out of the Sand Etch® housing. It is metal lined to ensure long use.

**B Housing** - This is referred to throughout the booklet as the Sand Etch® housing.

**C Actuator Button** - This button is depressed to release the flow of abrasive grit and air. Hold the Sand Etch® sandblaster in an upright position pointing away from you.

**D Pickup Tube** - Be sure the pickup tube is pushed firmly into the housing to draw the abrasive grit up into the nozzle.

**E Abrasive Grit** - Your Sand Etch® System includes one 8 ounce jar of abrasive grit to get you started. Jar must be refilled to the top of the label periodically for the best etching results. Abrasive Grit refills are available in a 12 ounce size. Part# 70-9110.

**F Propellant** - Your Sand Etch® System also includes a 6 ounce can of non-flammable, environmentally safe propellant. Always hold the propellant can in vertical upright position. Sand Etch® Propellant refills are available in 6 ounce size. Part# 70-9101.

### IMPORTANT:

After continuous use the can may become so cold that it restricts the flow of gas through the Sand Etch® housing. It is recommended to use short spraying bursts while etching your project. You can cure the problem by allowing the can sit for several minutes to warm up or by having a second can of propellant available to switch off when the can gets too cold to function.



#99-9320

# Sand Etch®

## Instruction Manual



## Safety Precautions

**Protective Eyewear** - Safety glasses or protective goggles must always be worn while operating the Sand Etch® system. These should completely cover your eyes. Prescription glasses and reading glasses are not sufficient protection but can be worn under your protective eyewear.

**Face Mask** - We highly recommend using a face mask. Inexpensive disposable face masks are available at most hardware stores.

**Gloves** - Because they are lightweight, garden gloves made of canvas backed rubber generally allow sufficient dexterity for working and will protect your hands from abrasive spray and airborne glass particles. It is also advisable not to wear any jewelry while operating the Sand Etch® system as these are all made of materials that are easily etched.

## Assembling the Sand Etch® Sandblaster

Unpack your kit components. Hold the housing (B) in one hand and snap onto the propellant can (F) with nozzle (A), pointed away from you as shown. Avoid pressing the actuator (C) until you are ready to begin your project.



If the pick up tube (D), should become detached during shipping, simply reinstall it by pushing the tube back into place on the bottom of the Sand Etch® housing. Next, remove the cover from the abrasive container (E), insert the pickup tube into the grit jar and screw the grit jar firmly in place.



**CAUTION:** The gun should always be held in an upright position.

**NEVER** turn the sandblaster upside down during use. The propellant can contains a liquefied gas that could freeze skin.

## Sand Etch® Stencil Applications

STEP 1 : Select and cut a stencil design from your Sand Etch Stencil sheet. Be sure to leave at least 1/4" of space around the entire stencil design to allow for taping later.



STEP 2 : Clean the project thoroughly with glass cleaner.

Determine preferred position of the stencil and press stencil firmly while smoothing out with your thumbs.



STEP 3 : Cover the entire edge of the stencil with wide masking tape overlapping the edge of the stencil. Place several strips of masking tape, if needed, to protect all exposed glass that will NOT be etched.



NOTE: When working on curved surfaces, we recommend using spray adhesive to insure that the stencil material will conform to the shape of the glass.

HINT: On a sheet of newspaper, spray the back of the stencil with a fine mist of Delta® spray adhesive. Allow adhesive to dry before applying it to your project. Adhesive should be tacky, not wet, when applied.



### HINT:

It is possible during the blasting process for the unit to stop spraying from time to time. This happens when too much abrasive media has entered the blast chamber of the Sand Etch® housing. To clear, simply hold your finger over the nozzle's tip and quickly depress the actuator (C) button. This will "blow" some of the abrasive media back into the jar, allowing the nozzle to clear.

## Over 'n' Over® Stencil Application

STEP 1 : Clean the project thoroughly with glass cleaner.

STEP 2 : Peel stencil from carrier sheet and apply to glass adhesive side down.



STEP 3 : Determine preferred position of the stencil and press stencil firmly while smoothing out with your thumbs.

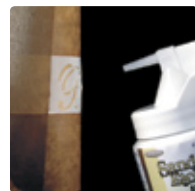
STEP 4 : Cover the entire edge of the stencil with wide masking tape overlapping the edge of the stencil. Place several strips of masking tape, if needed, to protect all exposed glass that will NOT be etched.



NOTE: Refer to instructions packaged with Over 'n' Over stencils, for re-use of stencils.

## Operating Instructions for Sand Etch® Gun

The Sand Etch® Sandblaster must be held in an upright position, with the nozzle (A) 1/2" to 1 inch from the surface of the object to be etched. Press down on the actuator button (C) to begin the etching process.



Never turn the Sand Etch® sandblaster upside down during use. Immediately after pressing the actuator button (C), you will notice that the tool will begin to spray a fine stream of abrasive particles.

These particles will begin to etch the surface of your glass project giving it a frosted appearance. Simply move the Sand Etch® sandblaster either side to side or in small circular motion until all exposed areas of the stencil have been uniformly etched. Hold the glass up to the light periodically to be sure all areas are etched. When all areas are equally obscured, you are done blasting.

Thoroughly wash your project to remove any abrasive media that may be left. If possible, submerge your project piece completely under water for a few minutes. Soaking in water will help remove the stencil material and masking tape, as well as the remaining abrasive media which could scratch your finished piece.



Once all of the abrasive media, tape and stencil material have been removed, clean thoroughly with glass cleaner and dry completely. The full etched effect will not be realized until the project is completely dry.

## How to make your own sandblast cabinet

### Create Your Own Sandblast Cabinet

- Cardboard box - we used a size 12" x 12" x 12"
- A piece of cardboard that will overlap your selected box 1". (We used a 14" x 14" for this project.)
- One sheet of 8-1/2" x 11" acetate (or plexi glass)
- Wide PVC tape
- Razor knife
- Marker pen
- CD (or small plate) for circle template



- Tape the flaps of the outside bottom of the cardboard box with wide tape.
- Cut off the top flap(s) of the cardboard box.
- Tape all of the inside seams and flaps of the box with tape to create a smooth continuous surface on the inside of the box.
- On two of the sides of the box draw and cut a circle using a CD for your circle template.
- Lay the sheet of acetate on top of the flat cardboard. Measure one inch in from all four sides making your hole smaller than the acetate.
- Place the acetate over this hole and secure in place with tape.
- Tape this flat piece of cardboard on the top of the box on one side only, creating a hinge.