

FAUX ETCH BOWL

By Patrick Lundstrom and Julie Brooks
Photos By Julie Brooks

Wrinkle Creams are a simple way to achieve a very sophisticated aesthetic. Generate effects similar to sand blasting and etching without exposure to hazardous etching compounds or expensive equipment. These easy steps and a few simple tips will be all you need to produce gorgeous pieces quickly, safely, and easily.

Step 1 Prepare the kiln shelf and the bowl mold with kiln wash following the manufacturer's instructions using multi-stem hake brush, and allow it to dry.

Technique Tip:

After the kiln wash has thoroughly dried, 'burnish' the surface with an old nylon, to smooth away any brush texture. The shelf can also be fired with no glass on it, re-washed with a single thin coat, and then burnished.

Technique Tip:

To assure the best results during this project, start by leveling your kiln. As you place kiln shelves and materials in the kiln make sure they are level as well.

Step 2 Secure a Grabber Pad on the center of the wheel head on the bat pins or place three walnut-sized nuggets of "Dry Hard" on the wheel head, turn table, or lazy susan. Press down firmly to secure the centered Grabber Pad on the turn table or lazy susan. Note: To assist with centering, mark the Grabber Pad with more rings. Spin the centered Grabber Pad and mark concentric rings, with a permanent marker or paint pen.

Step 3 Clean the glass using Squeaky Cleaner. Note: Most commercial 'window cleaners' contain polymers that will generate unwanted devitrification. From this point on, handle your glass by the edges with clean hands or white cotton gloves.

Glass

Lesson Plan

Objectives

- Slump a bowl
- Properly prepare a kiln shelf and a mold
- Clean and face glass
- Generate a symmetrically decorated bowl
- Apply Metallic Lusters, which will mature in firing
- Apply Wrinkle Creams, which will react during firing

Materials

Glass: By Fusing Farm

Pre-Cut Circle Blanks (FFR8, FFR10, FFR12, FFR13)

Fusing Mold: By Fusing Farm

Bowl Profile A 10-inch Mold (FMB-A10)

Brushes: By Laguna Clay

Camel Hair Sword Striper 1-inch Brush
(EB-856-1)

By Axner:

Multi-Stem Hake Brush #16 (143271)
Soft Round Camel Hair Brush #8 (EB8198)

Tools: By Fusing Farm

Tin Mister Tin Light

By Axner:

Axner "Grabber Pad" 14 inch (TM-48414)

Equipment: By Laguna

Banding Wheel (NL-273)
Plastic Banding Wheel (NL-261)
Pacifica Potters Wheel (GT 400)

Miscellaneous: By Fusing Farm

Ultra Primer Kiln Wash (FKW-B01)
Hare's Fur Wrinkle Cream (FSM-010)
Dapple White Wrinkle Cream (FSM-020)
Maximum Etch Wrinkle Cream (FSM-030)
White Picket Wrinkle Cream (FSM-040)
Squeaky Cleaner Glass Cleaner

By: Laguna Clay Company

Dry Hard Clay (CP-600 White)
Liquid Metallic Luster Gold & Palladium (LC-201, LC-202)

Brand of Choice:

Permanent Marker or Paint Pen
Old Nylon

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Preparing shelf with Fusing Farm Ultra Primer

Step 4 Placing the tin-side of the glass up (the side to which the Wrinkle Creams will be applied) in addition to properly cleaning the glass, this will help prevent unwanted devitrification. Use a tin-light to show cloudiness on the tin-side of the glass when the light is shined through it. Another method to determine the tin-side, is by observing that the water 'beads-up' more on the tin-side of the glass, and 'sheets-off' on the non-tin-side of the glass.

Step 5 Center the glass blank, tin-side up. To help determine how centered the glass is, hold the end of the brush stationary near the edge of the glass blank and rotate the wheel. Adjust the piece of glass, and repeat until the glass is centered. Note: Be cautious about the speed of the wheel after placing the glass upon it, since the glass can be flung off of the bat.

Step 6 Stir as directed, and dip brush in Wrinkle Cream of choice. Apply Wrinkle Cream to the rotating glass. Repeat until you have the desired banded pattern and let dry.

Step 7 Place the banded glass on the prepared kiln shelf in the kiln. Fire the piece according to the following sample firing schedule. Note: Every kiln is different, so this is just a general guideline that has worked in a majority of kilns. When firing glass, the temperature of the glass typically lags about 50°F behind the temperature the kiln-controller or the thermocouple reads. On the way down, when the kiln reads 250°F, the glass is still about 300°F, which is still in the low end of the thermal shock range.

Seg	Rate	Temp	Hold	Notes:
1	0275	0275	0.15	burns out any remaining moisture from the shelf and project
2	0400	1150	0.15	takes you up to the quartz inversion range
3	0100	1250	0.15	safely gets you through quartz inversion
4	0600	1550	0.15	fire up to process temperature, full-fuse
5	9999	1070	0.20	cool as fast as possible past devitrification, begin annealing
6	0100	0975	0.40	annealing point for float glass
7	0050	0900	0.00	anneal slowly to set point for glass
8	0400	0250	0.00	cool slowly to thermal shock point for glass



Bowl molds "Profile A" come in three sizes, predrilled and can be used as slump-in and slump-over molds



The drilled Grabber Bat or this medex bat is perfectly centered and secure when placed over the Pacifica's bat pins.



Patrick Lundstrom steadies his hand to measure how much the glass must be moved to be perfectly centered.

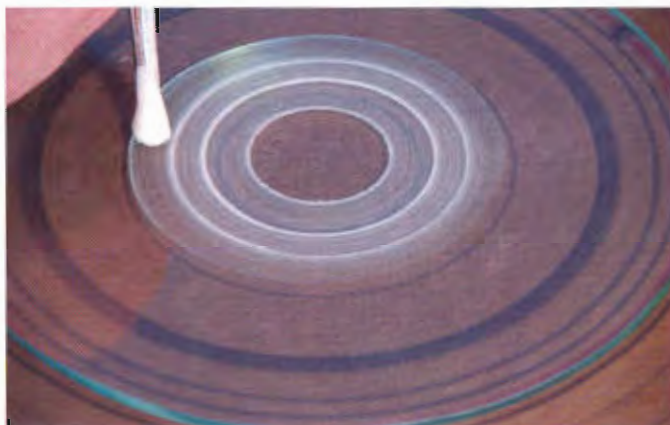
Step 8 After firing, scrub and rinse away any excess material. Clean all surfaces of the project again.

Step 9 Center the project on the wheel. Using Camel Hair Sword Striper, apply Laguna Metallic Luster to the surface of the project.

Step 10 Center project over prepared bowl mold on a level kiln shelf, and fire according to the following sample firing schedule. Note: Lusters tend to off-gas; ventilate (lid cracked, or using an Enviro-Vent) the kiln up to 900°F, to assure the optimal shine to the luster.

Seg	Rate	Temp	Hold	Notes
1	0275	0275	0.15	burns out any remaining moisture from the mold and project
2	0400	1150	0.15	takes you up to the quartz inversion range
3	0100	1250	0.15	safely gets you through quartz inversion
4	0600	1415	0.15	fire up to process temperature, slump-fuse
5	9999	1070	0.20	cool as fast as possible past devitrification, begin annealing
6	0100	0975	0.40	annealing point for float glass
7	0050	0900	0.00	anneal slowly to set point for glass
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All listed firing schedules are suggested only. Test fire with the kiln before firing a masterpiece. Wrinkle Creams will work on any type of glass but the optimum firing schedule might differ. *FAC*



Steady your hands as shown and lower the brush to make perfect circles. Build up different thicknesses for variety within a wide band or use a variety of creams.

Technique Tip:

To clean the brush after using oil-based Metallic Lusters, swish the brush around in a small container of cooking oil, then gently work liquid dish soap into the bristles of the brush and wash out with water.