

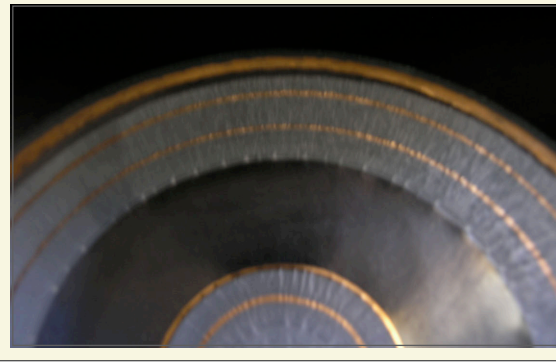
Firing Glass and Ceramic

- When firing ceramic products it is important to use a well ventilated kiln. Firing slowly to 450°F makes sure that atmospheric water is removed, that the glass is past thermal shock, and that clay bodies are past cristobalite conversion. At this point it is advisable to close the kiln ventilation to improve heating efficiency.

PUDDLING FULL FUSE SCHEDULE		
RATE	TEMP	HOLD
200	450	10
400	1150	10
600	1650	10
1000	1100	1
100	1000	10
50	900	10
200	700	1
400	250	1

Procedure for Cleaning Oil-based Products from Brushes:

- In a small dish, can or bottle: fill the bottom of the container with enough cooking oil to cover the brush head.
- Brush your dirty brush in the bottom as if you are painting on a surface with it. Avoid excessive pressure on your brush. Splaying out the bristles will misalign them; creating texture on the finished piece. If necessary repeat in a clean container with clean oil.
- Use dish washing soap and water in another container: swish brush around. You will begin to see a gelatinous substance forming in your bristles. Using fingers, work the soap into the bristles, being careful to not misalign the bristles. Wash with water in the sink. Again use fingers to work out the remainder of the oily soap substance. Finish by lining up bristles with fingers in the formation of the appropriate tip for the brush, and store for future use.



Four Families of Wrinkle Creams

FSM-010 "Hare's Fur" is a 'light' devitrification that can create radial ridge lines, especially when slumped in a round mold. On a flat surface, this material will create a matte, opaque, and/or frosted surface. Hare's Fur is the best Wrinkle Creams, to be used under Laguna's Liquid Metallic Lusters.

FSM-020 "Dapple White" is a 'medium' devit that will create white speckled crystallization pattern. Beautiful when used alongside Hare's Fur and Laguna Liquid Metallic Lusters.

FSM-030 "Maximum Etch" is a 'deep' devitrification that will 'cut' into the surface of the glass and leave behind texture. It has a wide palette of textural capabilities, depending on application.

FSM-040 "White Picket" creates a white opaque finish on the glass. This Wrinkle Cream will create a delicate, white crepe paper effect on the surface of the glass.

LC-201 & LC-202 "Laguna Liquid Metallic Lusters"
These overglazes add jewel-like and precious metal decoration available in Gold and Palladium.

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Studio Line →



CLASSIC ELEGANCE

The Fusing Farm has specially formulated a line of glass surface modifiers that create controlled devitrification. These Wrinkle Creams create micro-crystalline structures during fusing. This will modify the surface tension, allowing a crumpling of the glass surface texture.



Laguna Liquid Metallic Lusters are a nice addition to any piece, but contrasted next to, and laid over Wrinkle Creams; creates an effect that is simply elegant.



Wrinkle Creams Devitrification Surface Modifiers

- Wrinkle Creams are compatible with all coefficients of glass (all COEs or all CTEs).
- Wrinkle Creams can be applied to flat glass using a brush or dispersed from a precision applicator bottle. Using a pre-wetted brush, or an Axner Precision Applicator Bottle, will evenly distribute the Wrinkle Cream.
- To create a wrinkled band on the glass round, we use a banding wheel, or a lazy-susan, or a bat attached to a potters wheel. As the glass turns, consistently apply the Wrinkle Cream of your choice along the surface of the glass.
- Familiarity with applying liquids on a rotating surface can take some time. *[NOTE: The side of the brush that is closest to the angle of rotation will pick up material that is applied to the surface. Conversely, the side of the brush that is furthest from that rotational direction will deposit excess fluids and materials. Fluids on a rotating surface will want to move from the center toward the outside.]*



- Wrinkle Creams should be allowed to dry prior to firing. Force drying can be achieved by moving air and heat over the



surface. Hair-dryers and paint-strippers should be used with CAUTION: hold heat source 6" away from the surface of the glass and keep it constantly in motion, to prevent thermal shock. Sunlight can be an effective drying method.

- Wrinkle Creams respond best when fired at temperatures between 1550°F to 1650°F, or full-fuse temperatures for the glass.
- The greater the compression in the glass during slumping or full fuse, the greater the wrinkled 'Crepe Paper' surface on the glass. During a flat fuse a 'Matte Opaque' surface can be achieved. This varies according to the selected Wrinkle Cream, application method, firing temperature, type of glass, and thickness of glass.
- You can create heavy surface textures using the Maximum Etch. Various thicknesses of Maximum Etch will be reflected in the finished surface of the glass. A smooth application, will result in a smooth, matte etch. Remember, this is not an etching product; it is 'controlled devitrification' using the firing process; therefore final temperature will make a difference.

WARNING: When working with any ceramic product you should be cautious of dust and small particulate matter. Always work in a well ventilated area, and wear a NIOSH approved respirator. Don't use around food or beverage. Always wash hands and clothing thoroughly after use. Some products contain organics that burn out during firing; always operate kiln in a well ventilated area. For additional safety (MSDS) information call 626-330-0631.

Liquid Metallic Lusters

- Apply Liquid Metallic Luster to the flat, dry surface of your project with a fine camel brush. For fine lines use a striping brush like Laguna Clay's EB-856 "Camel Hair Sword Striper."
- Liquid Metallics apply smoother and easier on a warm surface and on a warm day (i.e. when the product is higher than 72°F).
- Using a banding wheel, lazy susan, or bat attached to a potters wheel; achieve a steady spin on the glass, drag the fine tip brush, and liquid metallic along the surface of the flat glass round until you have achieved an even, thin band of metallic.
- The wrinkled gold and/or palladium, is achieved by applying the gold and/or palladium atop the pre-fired Wrinkle Cream that has been properly washed.
- Liquid Metallics are typically applied just before the slumping process. Suggested firing temperature is 1150°F. Laguna Liquid Metallics have been successfully fired as high as 1550°F, however results may vary.
- NOTE: Over-glazes should not be used over unfired Wrinkle Creams. Over-glazes will seal over the Wrinkle Creams — trapping the ceramic components in the surface — effecting the brilliance and index of refraction of finished piece.

