

Micas & Lusters & Paints...Oh My!

A Comprehensive Guide for the Warm Glass Artist



Glassline Paint Pens (above)

With so many choices for the warm glass artist today, it can be difficult to select the right paint or metallic accent for your project.

AAE Glass has provided the table on pages 3,4 & 5 as a guide to assist the glass artist in selecting the right paint, mica or luster to fit your project. Using this guide will aide in combining kiln firings while helping to stream-line your process and give you a better understanding of the material.



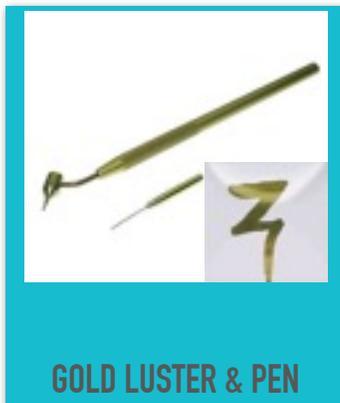
MICA



ALCOHOL INKS



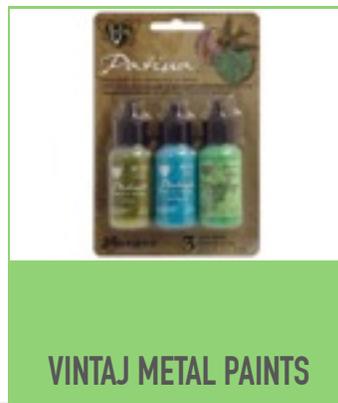
GLASS-GLO



GOLD LUSTER & PEN



UNIQUE GLASS COLORS



VINTAJ METAL PAINTS

COBBLE-BUBBLE PAINT PLATE

This project (right) features the use of Glassline paint, clear frit and Unique Glass Colors Metallic paint combined. It is inexpensive to make and features Bullseye Thinfire paper being utilized in an unique way by transferring the paint design to the glass. This free video project can be found at: <https://www.aeeglass.com/cobble-bubble-fused-glass-plate-video-tutorial.html>



The plate featured to the left was created using Glass-Glo metallic lusters. Glass-Glo creates beautiful iridized effects on glass and can be used like water colors. To view this free video tutorial, view the following link: <https://www.aeeglass.com/fused-glass-brick-plate-using-glass-glo-video.html>

LAKE FISH PLATE TUTORIAL BY TANYA VEIT

This seaweed fish plate was made using UGC paints along with relief stickers and frit. Gold luster is also used to accent the glass. Full supply list, firing schedules and a free video tutorial can be found in our Education Center at <https://www.aeeglass.com/fused-glass-fish-seaweed-plate-video-project.html>



Paints

NAME	FIRING RANGE (F)	COMPATIBILITY	LEAD FREE?	MEDIUM NEEDED	APPLICATION	TOOL	NOTE NUMBER
<u>Alcohol Inks</u>	None	N/A	Y	N	Surface	Fluid Writer	1
<u>Glassline</u>	1465 - 1525	90, 96, FLOAT	Y	N	Between glass or surface	Paintbrush or Palette Knife	2
<u>Pebeo</u>	300 - 365	ANY	Y	N	Surface	Paint Brush or Wood Skewer	3
<u>UGC - Bubble</u>	1425 - 1550	90, 96, FLOAT	Y	UGC Medium 1:1 Ratio	Between glass or surface	Paintbrush or Palette Knife	4
<u>UGC - NT Line</u>	1425 - 1660	90, 96, FLOAT	Y	UGC Medium 1:1 Ratio	Between glass or surface	Paintbrush or Palette Knife	5
<u>Vintaj</u>	None	N/A	Y	N	Metal Only	Sponge, paper towel, make up applicator	6

NOTES

- Alcohol Inks cannot be fired in the kiln. Alcohol inks are for surface application only. Best used on etched or sandblasted glass. Use with a fine point fluid writer in order to achieve precise designs. Use a matte or gloss sealer over alcohol inks. Krylon or Rust-O-Leum are excellent brands for this. Alcohol inks can be used on top of finished fused glass as colored accents. The glass must have “tooth” in order for the alcohol inks to stick. This is done by chemical etching, sandblasting or roughing up the glass with diamond hand pads.
- Glassline paints mature best at higher temps. Refer to the Education Center at [aeeglass.com](https://www.aeeglass.com) for specific firing schedules and video demonstration. <https://www.aeeglass.com/how-to-use-glassline-paints-and-create-pendants-revised-video.html> Glassline paint colors are vibrant on the surface of the glass. If paint is used between glass, colors will be muted. It is best to fire Glassline first and then clear cap or dust clear powder on the surface on a separate firing when the colors are stable if you wish to achieve this. Reds, oranges & yellows fire vibrantly.
- Pebeo shimmer paints can be fired in your oven or kiln. They are low fire paints and are non-toxic and lead free. They are great for metallic accents however, they must be applied & fired on top of your finished fused glass piece. Accents are best applied with a wood skewer as paint brushes leave brush marks. Paint is permanent once heated or will cure completely in 72 hours if left to air dry. Dishwasher safe.
- UGC bubble paints will bubble when fired between pieces of glass. You can control bubble placement with the paint. We do not recommend mixing the colors with one another to try to create a new color as each color in this line is a different mix of ingredients. Instead, let them flow into one another to create interesting effects. We like to mix these colors a bit thicker for intense color than we mix our NT Colors where we tell you they need to be the consistency of melted ice cream. Artisans like to be

the consistency of pancake batter! Start by mixing 1 part color to 1 part UGC Medium. If you want it thicker, add more powder; thinner – add some water. Again – Application Dependent. Do you want bigger, more intense bubbles? Mix to pancake batter. Do you want thinner, smaller bubbles with less intense color? Mix to whole milk consistency.

5. UGC – NT Line can be fired on top or between glass. Colors will mute only slightly between the glass. The NT line is mixed with UGC Medium to the consistency of melted ice cream and fire semi-opaque to opaque when mixed on a 1:1 ration with UGC Medium. They can also be used in their dry form for stenciling or sifting techniques.

6. Vintaj patina paints are meant for metal only. These paints are demonstrated in Tanya Veit’s Metal Meets Glass free video tutorial found here: <https://www.aeeglass.com/glass-meets-metal-video-tutorial-part-deux-w-tanya-veit.html> These paints should be sealed with a matte or gloss sealer. Paints dry quickly and can be layered for a vintage or weathered look. Colors are very vibrant and dry beautifully. Should be applied with a sponge or make-up applicator for best results.

Metallic Paints & Lusters

<u>NAME</u>	<u>FIRING RANGE (F)</u>	<u>COMPATIBILITY</u>	<u>LEAD FREE?</u>	<u>MEDIUM NEEDED ?</u>	<u>APPLICATION</u>	<u>TOOL</u>	<u>NUMBER</u>
<u>Glass-Glo</u>	1280 - 1420	ANY	Y	H2O	Surface	Soft paint brush	1
<u>Gold & Palladium Luster</u>	1280 - 1400	ANY	Y	N	Surface	Fluid Writer	2
<u>Mica</u>	1325 - 1550	ANY	Y	KLYR-FIRE	Surface or between glass	Paint brush, air brush, spray bottle or palette knife.	3
<u>UGC - Metallics</u>	1425 - 1550	90, 96 & FLOAT	Y	N	Surface or between glass	Paint brush, wood skewer, large holed fluid writer.	4

NOTES

1. Glass-Glo can be used like water colors. Place several drops of water in the container and let sit for 5 minutes before using. Mix well. When finished, the excess water will dry up in container. Can be applied with a paint brush for best results. Glass-Glo is meant for surface application only and can be fired on at slumping, tack or contour temperatures. Glass-Glo will only stick to the part of the glass that the particles are touching. The excess will wash away upon cleaning after firing. To build up color, apply another layer and fire again etc. See firing schedules and free instructional video here: <https://www.aeeglass.com/how-to-use-glass-glo-lusters-video.html>

2. Use a regular tipped fluid writer when applying luster to glass. Lusters are precious metal and are great for surface accents and signing your work. You may fire lusters on when slumping, tacking and contour fusing. We have brought the gold up to full fusing temps but the gold does fade a tad. Pen can be found here <https://www.aeeglass.com/supplies/paints-amp-enamels/painting-tools/outline-paint-pen-regular-point.html>

3. Micas are a great way to add sparkle to your work. Micas can be fused on at tack & contour fusing temps and also full fused between layers of glass. The mica does not melt, however, so you must keep the mica at least 1/8" away from the edges of the glass between the layers to allow the glass to seal the mica in between. When applying to the top of the glass, only the particles that touch the surface of the glass will bond to the glass. The rest of the mica will wash away after washing the piece. This is to be expected. Mica can be airbrushed on as well for a smooth, metallic finish. Our medium of choice is Klyr-fire when using mica. This can be found here: <https://www.aeeglass.com/klyr-fire-water-based-medium.html>

4. UGC Metallic paints are pre-mixed and no medium is necessary. However, the paint must be mixed well with a paint brush or skewer before each use. Apply with a liner brush, thinly, for just a hint of sparkle or heavier for more solid coverage. Metallics can be fused on top of glass or in-between layers. The ACCENT metallics can be applied directly on glass, over dried NT or Artisan Colors or dropped into wet color and allowed to disperse into the color. ACCENTS can be mixed with the NT Colors to create unlimited metallic colors. Experiment with the application and use of the ACCENT metallics to create new and unique effects.
