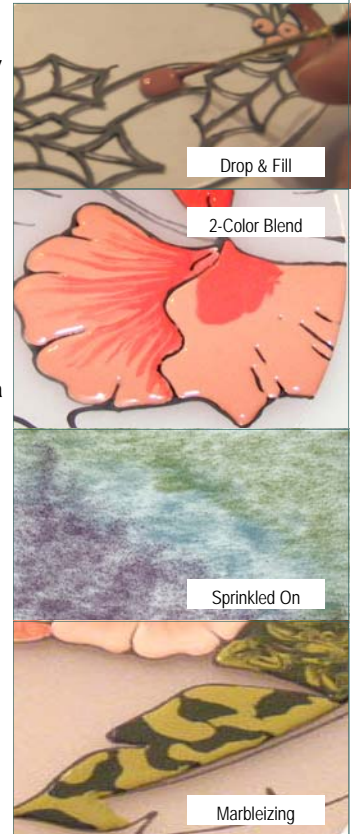


# FIRED GLASS COLOR BASICS

## "G Series"

The "G" series are glossy glass colors that are in a powder formula that is mixed with our GM300 Glass Color Medium. By mixing with medium it will insure an opaque glossy finish. Mix to a "white glue" or heavy cream consistency for opaque coverage. Two colors can be mixed together to achieve another color.

- The 28 of the colors are lead-free (non-toxic).
- Available in 1 oz. (25 grams), 2 oz., 4 oz. and Pint jars.
- We have 2 colors in "GT" Series that are not food safe and should not be used on any food surface items.
- They **DO NOT** have to be capped to have a glossy finish.
- When the colors are thinned they can be brushed, sponged, sprayed/airbrushed, stippled or applied with a airpen, writer bottle or gizmo or used with a stencil. When thinned with GM300 Glass Medium you retain the color. When thinned with water you dilute the color.
- When painting with the colors it is recommended to use a "drop & fill", "pool and puddle" method with a liner brush and then push and pull into areas.
- Two-color blend of colors are done by butting two colors next to each other and then pulling one color through the other, back and forth.
- Marbleizing can be done by taking 1-3 colors and placing dots of each color in an area until it is filled and then on the top surface create a figure"8" or "S" with the brush to variegate the colors through each other.
- Keep the colors mixed up as the color tends to settle to the bottom.
- The colors can be used dry. Example; Sifted/Sprinkled over the glass for different techniques.
- Can be silk screened.
- Firing is cone 014-017 or from 1376° to 1550° in a ceramic or a glass kiln, depending on the type of glass you are using. Our glass colors hold their color to a much higher temperature when used on ceramic or porcelain bisque.
- Can be added to Flexi-Glass Medium to create sheets of flexible glass color.



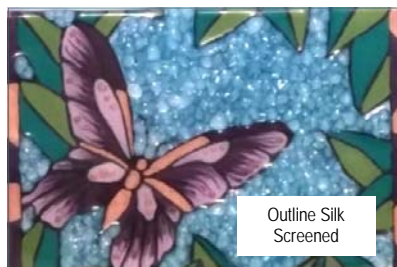
## "BA Series"

- **BubbleART** is a fired glass color that are non-toxic colors that are in a powder formula that is mixed with our GM300 Glass Medium. Mix equal parts or can be used thinner. Keep mixed up as the color tends to settle to the bottom.
- These 16 colors are translucent/transparent colors that were designed to be fused between two layers of glass to create bubbles.
- Available in 1 oz. (25 gram), 2 oz., 4 oz. and Pints.
- These colors are design or artist dependent, meaning that where you put your design you can control the bubbles. If you use a liner brush and place lines on the glass and leave spaces between them you will get lines of bubbles. Solid areas will be all over bubbles. You can place dots of color and these will be small collections of bubbles.
- **BubbleART** can also be used on top of glass. You will get a textured look and feel. Some colors will be transparent and others will be opaque when used on top of glass. Some of these effects are technique dependent. You can add more GM300 Glass Medium to change the consistency and your application which can change the color intensity. They are not food safe if applied on top surface.
- Shake jar before mixing powdered colors with glass medium. These colors are much more gritty than the "G" series glass color line. The gritty stuff will create intense color, if you don't want that you can pick it off the wet color before it dries.
- The heavier the color is put on the darker it will be. The thinner it is put on the lighter in color it will be.
- When using float glass (window) you tend to get larger bubbles. The float glass can be fired between 1425-1550 F.
- When using 90 or 96 COE you will get smaller bubbles. The 90/96 COE glass when fired to 1485 F tends to shrink in but the bubbles are a little larger than a firing of 1450 F. 96 COE glass fired to 1420-1450 F is a nice fuse.
- The hotter these are fired the larger the bubbles are. Each kiln is different and test should be done before starting a large project.
- You can brush on GM-300 Glass Medium on bottom piece of glass and then with palette knife sprinkle on some of the dry powders. Cap with clear or transparent glass and you will get individual bubbles where the colors are. Fired to 1420-1450 F or Full fuse.

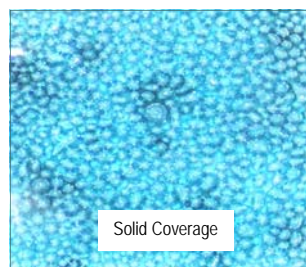


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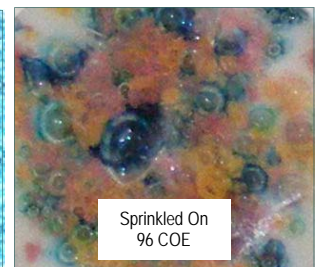
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Outline Silk Screened



Solid Coverage



Sprinkled On 96 COE

# FIRED GLASS COLOR BASICS

## "GS Series"

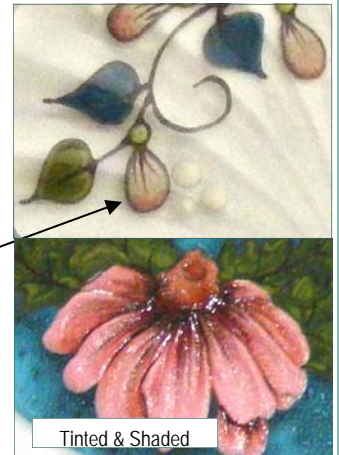
There are 4 colors of sparkle, GS-501 White Sparkle, GS-502 Copper Sparkle, GS-503 Gold Sparkle and GS-504 Silver Sparkle.

- These colors can be used alone or added to any other "G" series glossy glass color. Testing is recommended.
- Available in 1 oz, 2 oz. and 4 oz. jars.
- When added to other colors they are food safe. Mixing ratio is equal parts. The color will look like the sparkle color until fired and then it will be the color with flakes of sparkles throughout.
- When used alone and mixed with glass medium they are a rough(matt) surface and not recommended for food surfaces. The hotter they are fired they can smooth out. It is recommended that you use these on the top surface of the glass.
- When capped you will lose the metallic finish.
- If fired first and then capped you will retain the metallic look. Testing is recommended.
- Keep mixed up as the color tends to settle to the bottom.
- Can be added to Flexi-Glass Medium to create sheets of flexible glass color.

## Relief Motif

Relief Motif is a textured, stand-up glaze that is white in color with a wide firing range from glass to porcelain/stoneware.

- Not recommended for food surfaces. It leaves a textured surface.
- Available in a 2 ounce jar.
- Has a firing range from cone 017 (1376 degrees) to cone 6 (2232 degrees)
- Can be applied with a Brush or Tool.
- Can be tinted or shaded on top with "G", "GS" or "BA" Series fired glass colors. Mix color first and then add to Relief Motif. The pink flower on the right was tinted with BA5031 BubbleART Pink.



## "GO" Series

The "GO" series, is our glass outline colors. These are liquid and ready to use straight from the bottle.

- Available in 1 oz, 2 oz and 8 oz. squeeze bottles
- Black and White available.
- They are matt in finish when not capped.
- Attach Lure-Lock cap and different size tips to write and outline with.
- Can be applied with brush, sponge or writer bottle.



## Low-Fire/No-Fire Piping Paste

- Comes in white and black in 4 oz. jar the consistency of paste.
- Satin finish.
- Can be tinted with "G" series colors. When tinting remember you are adding color to a white base so you will end up with a pastel color.
- Can be brushed on or piped on using our squeeze applicator bottles with tips attached.
- Can be used as an outline. It is raised off the surface of the glass and creates a dam so that you can apply your color inside the areas and not go over your outline.
- Can be used as a grout. Apply a thin (transparent) application to glass and then press frit, buffalo chips or any piece of glass into the paste and it will hold it in place. Because of the elasticity in the paste you can use different COE's on the same piece without fracturing when doing the grout technique. Test before doing a large piece.
- Can be used on glass, fired ceramic surface, wood, paper, craft surfaces and more...
- Firing range is between 1380 to 1550 along with other glass colors. The hotter it is fired the shinier it becomes.
- Paste cures or air dries in 24 hours when using on a non-fired surface.

Green border has GO-330 White sponged thru stencil.



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# FIRED GLASS COLOR BASICS

## “GT Series”

These colors are leaded and not recommended for food surfaces.

- Kiln needs to be well vented.
- If using a kiln that has had other things in it besides glass, such as copper based glazes and materials it could affect the out come of the colors. They may turn grey or smoky looking.
- Apply even coverage.
- Allow to dry before firing.

## Textured Sand

Our CSP60 Textured Sand product can be mixed with our glass colors to create a textured area.

- Mix color first.
- Add up to equal parts or less to color.
- If too much textured sand is added it will crack and may fall off the piece. You need enough color product to allow the sand mix to adhere to the glass.
- Can be shaded on top.

## Silk Screen Black

- Powder formula.
- Mix with glass medium to a heavy cream/peanut butter consistency.
- Use with silk screens.
- Apply with squeegee.
- Recommended on top surface of glass.
- Can be placed face down on firing paper for a matt finish.

## Detail Black

- Used to add fine detail or touch up on outline on top of dried glass colors.
- Do NOT use on glass. Use on top of dried color only.

## What types of glass can I use with “G”, “BA”, “GS” “GO” and “GT’s” Series colors?

The colors can be used on most types of glass including:

- COE 90
- COE 96
- Float (window) glass.
- They also can be used as an overglaze on glazed ceramic pieces. When planning to use with fired ceramic glaze surface, testing is recommended.

## Firing

- If color is chalky or dull then it is probably under fired.
- If color crawls or pulls away from outline then it is probably too heavy.
- Some glass cleaners or not enough ventilation, will leave a residue on glass that can cause colors to be grey.

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The black outline has been screen printed and then color applied on these pieces.

