

CMC Gum Powder Instruction Sheet

CMC Gum Powder offers versatility and design freedom like no other glass media.

Mixed to a thin consistency, it can be poured into an applicator bottle (#12921) and used for writing and drawing on glass. To achieve this effect, mix according to the following ratios: 5 TBSP CMC Gum Powder to 1 pint hot water. Add 2 parts glass frit to 1 part of CMC mixture.



Mixed to a thicker consistency it can be piped through a pastry bag and decorating tips to create 3-D accents as shown below.

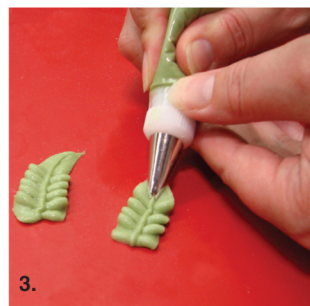
Step 1: Wearing a mask to protect you from airborne particles, mix approximately 5 TBSP of CMC Gum Powder into 2 cups of hot water. Stir to dissolve. Allow to set until cool. During this time the mixture will congeal.

Note: You can modify the amounts used (keeping the same ratio) to create smaller batches as shown here.



Step 2: Add powder frit to the gel mixture using a ratio of 1 part CMC gel to 2 parts frit.

Note: For this technique powder frit is recommended. Larger mesh size frit will be too big to pipe through many design tips.



Step 3: Place frit mixture into pastry bag with tip of your choice and extrude onto a flexible, non-stick surface (such as wax paper or silicone cooking mat). Allow to dry completely.

Delphi Tip: Try using different tips to create a variety of leaves, cactus, flowers, dots and more.



Step 4: Remove from non-stick surface and place dried accents onto a prepared kiln shelf and fuse according to the schedule* listed below.

Note: Shelf paper is not recommended.

Fusing Schedule: 500° F per hour to 1300° F • Hold for approximately 10 minutes

Note: At this point you will need to peek into the kiln (wearing proper eye protection) and visually check the progress. At first they will appear grainy; once they have a slightly glossy look they have reached the proper temperature. If they get too hot, the glass will round and your accents will lose their shape. You may need to “skip step” if using a kiln with a programmable controller.

FULL to 960° F • Hold for 10 minutes

Allow kiln to cool to room temperature on its own.

**Firing times and temperatures may vary, each kiln is unique. For our project we used 90 COE glass.*

Arrange fired accents on pre-fired project and tack fuse to bond together.



Artist: Kayleigh McGrath

