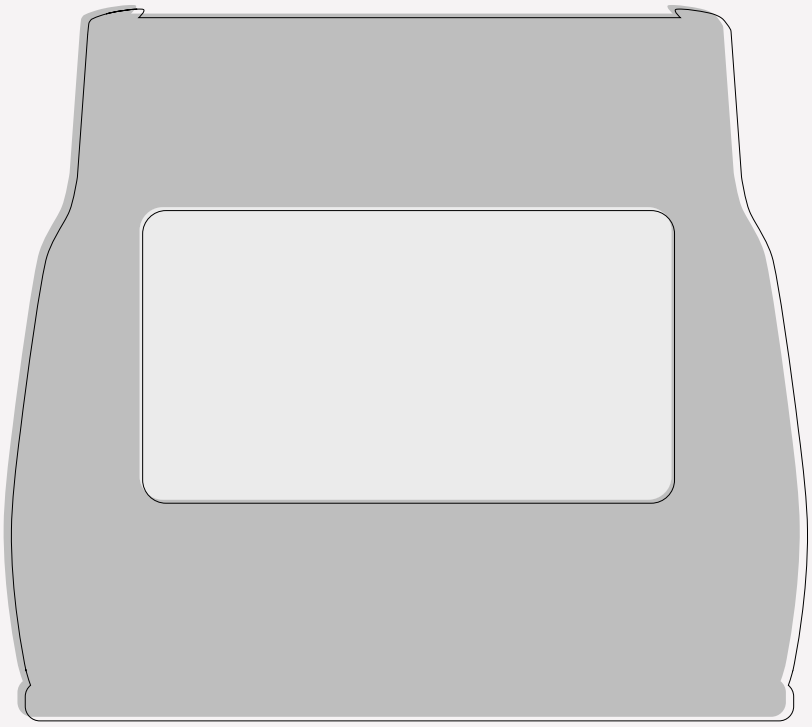
MIXING AND USING MAYCO DRY GLAZE



WHAT DO YOU NEED TO GET STARTED?

Make sure to assemble all the needed materials before mixing your glaze. The dry glaze is meant to be mixed all at once, so instructions are for mixing at least an entire bag of glaze. Using a partial bag could affect glaze results.

- Dry glaze - When initially mixing glaze in a 3 or 5 gallon bucket, we recommend mixing at least 10lb of dry material to ensure enough depth for dipping.
- 5 Gallon Bucket - 25 pounds of dry material approximately fills a 5 gallon bucket with glaze.
- NIOSH Approved Respirator
- Drill with mixer attachment
- 1 pint for every 1 pound of dry material.

To measure Specific Gravity:

- Small container with a line drawn ¾ of the way up
- Digital Scale (measures in Grams)

Mixing Steps:

1. Add water to 5 gallon bucket. Add 5 pints of water for every 5lb bag of glaze.
2. Put on NIOSH approved respirator.
3. Agitate dry glazes in the bag to evenly distribute materials and then gently add to the bucket.
4. Allow the dry materials to settle into the liquid before mixing to avoid excess dust.
5. Use mixer to blend materials until completely incorporated.
6. Check Specific Gravity (see specific gravity instructions)
    - If the specific gravity is HIGH, add water ¼ cup at a time and recheck.
    - If the specific gravity is LOW, let the glaze sit until water develops on the top of the bucket (do not remix) and remove water from the top of the glaze, ¼ cup at a time. A turkey baster is a great option
7. Once Specific Gravity is within the recommended range, your glaze is ready to use.

Dipping Steps:

1. Wipe bisque with a damp sponge to remove any dust or particles.
2. Prepare the bottom of the piece using AC-302 Wax Resist for easy dry footing.
3. Thoroughly mix the glaze using a mixer, whisk, or paddle.
4. Securely grasp the ware using your hand or dipping tongs.
5. Immerse the ware into the bucket and hold for 1-2 seconds - longer or subsequent dips can affect the glaze color and mobility.
6. Wipe the bottom of the piece with a damp sponge.
7. Set aside to dry.

Pouring Steps (For SD Crystal Glazes):

1. Wipe bisque with a damp sponge to remove any dust or particles.
2. Prepare the bottom of the piece using AC-302 Wax Resist for easy dry footing.
3. Thoroughly mix the glaze using a mixer, whisk, or paddle.
4. Securely grasp the ware using your hand or dipping tongs.
5. Use a cup or ladle to agitate crystals in the bucket – be sure to pull from the bottom where the crystals tend to settle.
6. Scoop glaze up and pour over the ware making sure to cover it entirely.
7. Wipe the bottom of the piece with a damp sponge.
8. Set aside to dry.

THINGS YOU SHOULD KNOW:

- Adding distilled water is the best way to ensure no additional ingredients are added to your glaze.
- There is no need to sieve Mayco dry glazes.
- A 1-2 second dip is the equivalent of 3 coats of brushing glaze.
- Applying AC-302 Wax Resist makes for easy dry footing and will rinse out of your brush with warm water.
- Using a glaze formulated for brushing over the "dry glaze" will often cause the glaze to flake off.
- If the glaze is too thick, it will flake off.
- Our Stoneware Dry (SD) and Stoneware (SW) Glaze lines are the same glazes, but the SW has the addition of CMC gum to thicken and ensure brushability.
- Our SD glazes are great for dipping and pouring applications and our SW glazes are perfect for brushing, pouring and use in a slip trailer.
- To convert a bucket of dipping glaze into a brushing glaze, add 0.6% of the total weight of the glaze(both water and dry) of CMC gum.
- SD Glazes do not expire in the bag or bucket because the lack of organic gum in the SD line of products allows it to not "go bad" (If properly mixed and maintained.)
- Mayco SD glazes do not hard pan or pancake if mixed correctly.

SPECIFIC GRAVITY

Specific gravity is a measurement of weight of fluid per unit volume, which can reveal the ratio of liquids to solids in a mixture.

Finding Specific Gravity:

1. Using a digit scale on Grams, tare your chosen contain to 0.
2. Fill container to line with distilled water and weigh.

   Weight of Water _____ (g).
3. Pour out water and dry container.
4. Fill container to line with glaze and weigh.

   Weight of Glaze _____ (g).
5. Divide the glaze weight by the water weight.

   (glaze weight _____) ÷ (water weight _____) = (specific gravity _____)

   Specific Gravity _____ grams.

Example

Glaze weight = 125.4 grams

Water weight = 75.3 grams

(glaze weight 125.4) ÷ (water weight 75.3) = (specific gravity 1.66)

Mayco glazes should have a specific gravity between 1.47 and 1.51. If your glaze is high, we recommend adding ¼ cup of water at the time and mix until the right specific gravity is achieved. If your glaze specific gravity is low, let glaze settle and remove glaze ¼ cup at the time until the right specific gravity is achieved.