

COYOTE DRY GLAZE MIXING INSTRUCTIONS

Quick facts:

10 Lbs. of dry glaze needs approximately one gallon of water (every glaze is different, check the label) and will yield about a gallon and a half of glaze.

25 Lbs. of dry glaze needs approximately two and a half gallons of water and will yield between three and four gallons of glaze.

Quick mixing instructions:

Wear an appropriate respirator and gloves, and use adequate ventilation when mixing.

Measure the amount of water recommended on the label (or just a bit less) into a clean bucket.

Slowly add the dry glaze while stirring continuously. Scrape the sides and bottom of the bucket and stir thoroughly.

Screen through a 60 mesh sieve.

Dip and fire a test piece; if too thick, add a **little** bit of water and retest.

About our glazes:

When mixed with water, Coyote dry glazes are suitable for brushing, pouring or dipping, and do not require the addition of any suspension or brushing ingredients; if they need it, it's already in there.

Because most of our dry glazes include CMC and bentonite they may take a little longer to dry than those used to with dipping glazes, but they dip very well, stay suspended in the bucket and can also be used for brushing. At Coyote Clay School & Studios we dip everything, with excellent results.

More good information:

Don't be tempted to add more water than is suggested on the label without testing! Every glaze is different and each label has a suggested water content for that glaze. Some of our glazes will be quite thick when mixed according to the instructions on the label. Glazes that work best with a thicker application will be the

the bucket, and glazes that work well with a thinner application will be thinner.

Some of our glazes, especially the Mottled Glaze series, gel when left undisturbed. Mix them vigorously and they will thin out with no additional water. We highly recommend a drill with a mixing attachment for these glazes.

Specific gravity and glaze thickness:

The Celadon, Archie's, Satin, Matt and Miscellaneous glaze series should be an average thickness (heavy cream consistency). The Shino and Gloss Glaze series should be slightly thicker (heavy cream consistency). The Mottled series should be quite thick, and the Crawls even thicker (yogurt consistency).

There are a lot of variables in how much glaze ends up on a dipped piece, so mix up your glaze, dip a piece, and **fire a test piece!** You may find that you prefer your glaze a little thicker or thinner than we do.

By keeping accurate records of how much water you use, you can reproduce your preferred glaze thickness consistently well.

How we do it:

Because hydrometers are misleading when measuring thick materials, here at Coyote we determine specific gravity by weighing a particular volume of glaze. If you want to reproduce exactly the consistency of our liquid glazes as we sell them, you will need a 500 milliliter flask and an accurate scale.

To measure the specific gravity of a glaze:

Tare (subtract) the weight of your flask from the scale.

Fill the flask exactly to the 500 ml mark with glaze and weigh it.

If your glaze is heavier than the target weight, add water and re-weigh.

Here is a list of the target weights and specific gravities of our glazes:

Glaze Name	Weight per 500ml	Specific Gravity
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Celadons:

Aqua	754 grams	1.51
Dusty Rose	740 grams	1.48
Key Lime	740 grams	1.48
Night Sky	740 grams	1.48
Peach Blush	740 grams	1.48
Peacock Green	740 grams	1.48
Rainy Day	740 grams	1.48
Root Beer	754 grams	1.51
Sapphire	740 grams	1.48
Sedona Sunset	754 grams	1.51
Stormy Sea	740 grams	1.48
Sunshine Yellow	740 grams	1.48

Glaze Name	Weight per 500ml	Specific Gravity
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Shinos:

Blue Shino	767 grams	1.53
Butterscotch Shino	767 grams	1.53
Cedar Shino	785 grams	1.57
Desert Sage	767 grams	1.53
Espresso Bean	767 grams	1.53
Goldenrod Shino	767 grams	1.53
Green Shino	767 grams	1.53
Leopard Shino	767 grams	1.53
Light Blue Shino	767 grams	1.53
Light Green Shino	767 grams	1.53
Light Shino	767 grams	1.53

Mocha Shino	767 grams	1.53
Pistachio Shino	767 grams	1.53
Plum Shino	785 grams	1.57
Sandstone Shino	767 grams	1.53
Shino	799 grams	1.6
Steel Gray Shino	767 grams	1.53
Sunrise Shino	785 grams	1.53

Glaze Name	Weight per 500ml	Specific Gravity
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Mottled Glazes:

Cactus Green	708 grams	1.42
Croc Blue	708 grams	1.42
Fire Opal	708 grams	1.42
JB's Brown	708 grams	1.42
Mottled blue	708 grams	1.42
Pam's Blue	708 grams	1.42
Pam's Green	708 grams	1.42
Sunset Pink	708 grams	1.42

Glaze Name	Weight per 500ml	Specific Gravity
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Gloss Glazes:

Almost Teal	767 grams	1.53
Black	767 grams	1.53
Buttercup	767 grams	1.53
Chrome Green	767 grams	1.53

Cinnamon Stick	767 grams	1.53
Clear	726 grams	1.45
Cobalt Blue	767 grams	1.53
Eggshell	767 grams	1.53
Light Blue	767 grams	1.53
Mint	767 grams	1.53
Oatmeal	767 grams	1.53
Orange	767 grams	1.53
Pansy Purple	767 grams	1.53
Pumpkin	767 grams	1.53
Really red	767 grams	1.53
Red	767 grams	1.53
Red Orange	767 grams	1.53
Violet	767 grams	1.53
White	767 grams	1.53
Yellow Orange	767 grams	1.53

Glaze Name	Weight per 500ml	Specific Gravity
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Matt Glazes:

Blue Matt	754 grams	1.5
Creamy Matt	772 grams	1.54
Creamy w/Specks	772 grams	1.54
Green Matt	754 grams	1.5
Iron Matt	754 grams	1.5
Turquoise	790 grams	1.58

Glaze Name	Weight per	Specific
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500ml Gravity

Satin Glazes:

Alabaster Satin	745 grams	1.49
Baby Blue Satin	745 grams	1.49
Cerulean Satin	745 grams	1.49
Charcoal Satin	745 grams	1.49
Cherry Satin	745 grams	1.49
Coral Satin	745 grams	1.49
Forest Satin	745 grams	1.49
Hazelnut Satin	745 grams	1.49
Lapis Satin	745 grams	1.49
Lemon Cream Satin	745 grams	1.49
Orchid Satin	745 grams	1.49
Seafoam Satin	745 grams	1.49

Glaze Name Weight per 500ml Specific Gravity

Other Glazes:

Copper Blue	772 grams	1.54
Crazed Copper	772 grams	1.54
Oasis Blue	772 grams	1.54
Rust Brown	804 grams	1.61
Saturated Iron	735 grams	1.47
Toshi Brown	804 grams	1.61