15 Tried & True Raku Glaze Recipes

Recipe cards for our favorite raku pottery glazes

This special report is brought to you with the support of AMACO® & Brent
Good news for those of you who raku fire and are looking for some new glazes and slips to try out! We’ve gathered some of our favorite raku glaze recipes in a convenient recipe-card format, perfect for printing and taking to the pottery studio. If you are interested in building a collection of beautiful raku ceramic glazes, or adding variety to the ones you already have, you’ve found the perfect resource. We have a great assortment including several copper mats, a white crackle and even a shino! Maybe you already have a repertoire of glazes but want to mix it up a bit; try experimenting with a flashing slip or a terra sigillata for a variety of surfaces in the post-reduction firing. Or combine several of the slips and glazes to expand your surface possibilities even further!

And remember, as with all things ceramic: results may vary! Use the various images here as a guide to the surfaces you’ll get, but be sure to always start out with small batches and have fun testing and tweaking! Now get out there and mix up some new pottery glazes!

15 Tried & True Raku Glaze Recipes

- Red/Bronze Raku Glaze
- Hasselle Copper Matt
- Kansas State White Slip
- White Opaque Gloss
- Ferguson’s White Crackle
- Kelley’s Low-Fire Shino
- Alligator Matt White
- Riggs Terra Sigillata
- Peel-Away Slip
- Copper Matt Raku
- White Crackle Raku
- Basic White Crackle
- Del Favero Luster
- Rogers White (clear)
- Yellow
Red/Bronze Raku Glaze
Cone 05

Colemanite . . . . . . . . . . . . . . . . . . . 50.0 %
Ferro Frit 3134 . . . . . . . . . . . . . . . . . 50.0
100.0 %

Add: Tin Oxide . . . . . . . . . . . . . . . . . 5.1 %
Copper Carbonate . . . . . . . . 5.6 %

From Raku Firing: Advanced Techniques.

Note: Colemanite is no longer mined so you will need to test either Gerstley Borate or a boron frit as a substitute.

Hasselle Copper Matt

Black Copper Oxide . . . . . . . . . . . . . 80 %
Ball Clay . . . . . . . . . . . . . . . . . . . . . 20
100 %

Add: Bentonite . . . . . . . . . . . . . . . . . 3 %

From Raku Firing: Advanced Techniques.
Kansas State White Slip
Cone 9

Dolomite ........................................... 10 %
Custer Feldspar ................................. 14
Ball clay ............................................ 29
EPK Kaolin .......................................... 38
Silica (Flint) ....................................... 9
100 %

From Raku Firing: Advanced Techniques.

White Opaque Gloss

Ferro Frit 3110 ............................. 80 %
EPK Kaolin .......................................... 20
100 %

Add: Bentonite. ............................ 2 %

Blue Variation
Superpax ....................................... 15 %
Mason stain 6306 Vivid Blue  .... 10 %

Green Variation
Mason stain 6271 Mint Green . 10 %

Stains provide color to the base glaze and superpax is an opacifier that makes the clear base glaze an opaque, glossy white.

From Raku Firing: Advanced Techniques.
Ferguson’s White Crackle

Gerstley Borate .................. 65 %
Tennessee Ball Clay ............... 5
Nepheline Syenite ................. 15
Tin Oxide ......................... 10
Silica (Flint) ...................... 5

100 %

From *Raku, Pit & Barrel: Firing Techniques*.

Kelley’s Low-Fire Shino

Lithium Carbonate .................. 26 %
Nepheline Syenite ................ 64
EPK Kaolin ......................... 10

100 %

Add: Light Rutile ..................... 6.0 %
Manganese Carbonate ............ 0.5 %

This is a semi-opaque glaze with an excellent crackle texture and tan to silvery color characteristics, depending on firing temp. Works well in combination with other glazes.

From *Raku, Pit & Barrel: Firing Techniques*.

Left: Teabowl with Kelley’s Low-Fire Shino, by Steven Branfman.
**Alligator Matt White**

Cone 05

- Bone Ash: 29%
- Gerstley Borate: 57%
- Nepheline Syenite: 14%

100%

From *Raku, Pit & Barrel: Firing Techniques*.

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**Riggs Terra Sigillata**

- Water: 3½ gal
- Sodium Silicate: 1 tbsp
- Soda Ash: 1 tbsp
- XX Saggar Clay: 15 lbs

Mix ingredients and allow to sit and separate into visual sections. Gently siphon out only the middle section for use.

From *Raku, Pit & Barrel: Firing Techniques*. 
Peel-Away Slip

Fireclay ............................... 60 %
Kaolin .................................. 20
Silica (Flint) ......................... 15
Grog (fine) ........................... 5
100 %

Mix the slip to the consistency of pudding and apply. The slip will crack and during post-firing reduction reveal a smoke pattern when peeled off.

From *Raku, Pit & Barrel: Firing Techniques*.

Copper Matt Raku
Cone 010–06

Bone Ash .............................. 33 %
Gerstley Borate ..................... 67
100 %

Add: Copper Carbonate .......... 8 %
Cobalt Carbonate ................. 2 %

This glaze produces a range of colors, including lusters and opalescence, and is very receptive to post-fire reduction. Apply a thin coat of glaze then wipe off with a dry towel to achieve a matte, speckled surface. Use in combination with this white crackle glaze for a mottled effect.

From *Studio Ceramics: Advanced Techniques*.

White Crackle Raku
Cone 010–06

Barium Carbonate .................... 15 %
Gerstley Borate ...................... 40
Nepheline Syenite ................... 35
Silica (Flint) ......................... 10
100 %

From *Studio Ceramics: Advanced Techniques*. 
Basic White Crackle
Cone 08
Gerstley Borate .......................... 65
Tennessee Ball Clay .................... 5
Nepheline Syenite ....................... 15
Flint ..................................... 5
Tin Oxide ............................... 10
100 %

Del Favero Luster
Cone 08
Gerstley Borate .......................... 80 %
Cornwall Stone ......................... 20
100 %
Add: Copper Carb .................... 2 %

From Raku Firing: Advanced Techniques.

Rogers White (clear)
Cone 08
Gerstley Borate .......................... 60 %
Spodumene ............................ 35
Tennessee Ball Clay .................... 5
100 %

Yellow
Cone 08
Gerstley Borate .......................... 80 %
Cornwall Stone ......................... 20
100 %
Add: Vanadium Stain .................. 6 %
The depth of yellow will vary depending on the stain that you use. Add up to 5% tin oxide for a more opaque quality.

From Raku Firing: Advanced Techniques.
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RAKU
12 glazes Cone 05

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