

Raku Glazes – Misc.

BLACK GLAZE

Frit 3110 30
Nepheline Syenite 20
Gerstley Borate 50

add: Manganese Dioxide 4.5
Cobalt Oxide 4.0
Copper Oxide 4.5
Black Iron Oxide 3.5

Black Foot Black

Petalite-----30
Colemanite-----50
Zinc-----5
BaCo₃-----5
Cob Carb-----2
Mang Diox-----4
Black Iron Ox-----4

Raku Black 006

Colemanite 80
Neph sy 20
Copper Ox. 4
Cobalt Ox. 3
Iron Ox. 4

Black Luster

GB 50
~~NS 50~~
NS 50
Copper Ox 3
MANG. DIO. 2
BLACK IRON 5

Salvatoris Rusty Red Black Fire Glaze

Copper Carbonate 60.0
Borax 40
Sodium Bicarbonate 40
Cobalt Carbonate 5.0

Black Raku Glaze

Borax 3.22%
Gerstley Borate..... 43.01
Soda Ash..... 21.51
Nepheline Syenite 10.75
Barnard Clay 21.51
100.00%
Add: Cobalt Carbonate 4.30%
Copper Carbonate 2.15%
A glossy deep blue-black; does well in heavy reduction.

Black Luster

Colemanite 50
Cornwall Stone 25
Nepheline Syenite 25
Copper Oxide 3
Manganese 2
Black Iron Ox. 5

Hal's Gloss Black Raku

Cone 04 reduction/raku
Furnished by Hal McWhinnie

Gerstley Borate 40.00%
Barnard Clay 20.00
Soda Ash 20.00
Nepheline Syenite 10.00
Borax 10.00
TOTAL: 100.00%

add Cobalt Carbonate 4.00%
Copper Carbonate 2.00%

Flat Black

Gerstley Borate 50
Borax 50
Rutile 10
Black Iron Oxide 10
Cobalt Carbonate 2

Black Raku

44% Gerstley Borate
22% Soda Ash
19% Barnard Clay
11% Nepheline Syenite
4% Cobalt Carbonate
2% Copper Carbonate

GILL'S BLUE cone 04-05

Colemanite.....5.8
E.P.K.7.2
Frit 3110.....76.9
Flint.....10.1
Copper Carbonate..... 6.0

Crackle Blue

Gerstly Borate.....50
Borax.....30
Cobalt carb.....0.5
Rutile 3

Erica's Aqua

Cone 04 reduction/raku
Furnished by Steve Brantman

Gerstley Borate 80.00%
Cornwall Stone 20.00
TOTAL: 100.00%
add Tin Oxide 5.00%
Cobalt Carbonate 2.00
Copper Carbonate 3.00

Lotus Copper Red to Gold

Cone 06-04 Raku
Furnished by Hal McWhinnie

Frit 3124 50.0%
Borax 20.0
Gerstley Borate 20.0
EPK 4.3
Copper Oxide 5.0

	Camarillo	Copper Sand	Piepenburg Patina	Piepenburg Alligator	Copper Brick	Copper Brick Var.	Michigan Patina	Hassell Copper Matt	Witt's Copper Matt	Dayman's Dry Copper
Gerstley Borate	40	80	50	57			70			
Bone Ash	30	20	25	29			20			15
Nepheline Syenite EPK	20		15	14				20		
F-3134					20	20				
F-3110									10	
Copper Carbonate	10	5	10	15	80	40	10	80	90	75
Copper Oxide-Blk		1								
Tin Oxide						40				
Iron Oxide-Black		2.5								
Cobalt Carbonate										
OM-4										10
	Jernegan's Crusty Copper	Dominique's Copper Matt	Heavy Metal	Red Sand	Dry Alligator	G-2013	Alfred Mint Green	CRM-2	Parry Copper Matt	Witt's Copper Matt
Gerstley Borate	33	20?	30	80	52.5		50	50		
Bone Ash		33			23.5			25		
Nepheline Syenite EPK	33	15	30		12	23		12.5		
F-3134										
F-3110									15	10
3269		15?								
Borax	34					7				
Copper Carbonate	15	5(15 max)	20	10	12	10	10	12.5	90	90
Copper Oxide-Blk										
Tin Oxide		2-stabilizer		20						
Iron Oxide-Black										
Nickle Carbonate	15		20							
Silica						43				
Lithium Carbonate						14				
Whiting						9				
Barium Carbonate						4			0.5	
HPM-20 Bentonite										
Wollastonite							50			
Chrome Oxide							2			

ANTI GLAZE

- Gerstley Borate 80
- Nepheline Syenite 20
- Copper Carbonate 20
- Red Iron Oxide 20
- Rutile 20

Dry Copper Slip

Copper Carbonate 75%

Soda Feldspar 15

Ball Clay 100%

Dry Patina

15 part Koolin (E.P.K.) + 15

1/2 part Gerstley Borate + 15

1/4 part Copper Carbonate

COPPER/FRIT WASH

Copper Carbonate 9 parts

Frit 3110 1 part

Copper Mats

raku

	Rick Berman Turquoise	Camarillo Lithium Slip	Long Beach Lithium Slip	Rich White Lithium Slip	Jernegan Lithium Slip	Marks Raku #2	Bernard Base	JERNEGAN LITHIUM
Gerstley Borate	39.33						36	
Nepheline Syenite	19.83			5	5		9	
Spodumene	20.22							
Lithium Carbonate	20.62	26	26.7	70	70	12	28	70
EPK		14	13.6					
HPM-20 bentonite		3	2.8	15	15			15
Silica		53	53.9					
Suprapax	19.11							
Epsom Salts	0.61							
Copper Carbonate	2.59	4	3.7		10	63		10-Corps & of.
Chrome Oxide				8				
Borax				10	10	4		5
Barium Carbonate						4		
F-3134						17		
Magnesium Carb.								
Talc #2882							27	
CORRAL	✓ Flaming Moondrops	✓ Lizard Skin	Lizard Skin (Sunday)	Craters O'Moon	Moon Dust	Lithium Blue Matt	Matt Blue Green	10 LIZARD 64
Gerstley Borate	70	28.5	59		14			
Nepheline Syenite		8	17					
Spodumene								
Lithium Carbonate	20	6	12.5	30	7	26.5	25.75	
EPK				10	14	11.5	11.75	
HPM-20 bentonite				5		1	2	
Silica				30		52	52	
Suprapax								
Epsom Salts								
Copper Carbonate	6	20.5	3	6	7	3.7	3.25	5
Chrome Oxide	3	16.5						
Borax		4	8.5	15	28			9
Barium Carbonate								
F-3134								
Magnesium Carb.	40	16.5	3.5	10	37			30
Bone Ash						1		
Whiting						3.3		
Soda Ash							3.25	
Rutile							2	

Raku Glazes

Lithium-Magnesium

RAKU #17 KOMIVES RAKU BASE GLAZE

NOTE: This is a base glaze that is white. Try any of the following colorants for the stated colors.

BASE:

Colmanite	60.40
Nepheline syenite	19.80
Cornwall stone	19.80
	<u>100.00</u>
Add: Zircopax	8.4%
*Bentonite	2.3%

TAN TO TAN GREEN	Add: Burnt umber	4.0%
VERY GREEN	Add: Chrome oxide	4.0%
BLUE	Add: Cobalt oxide	0.5%
	Copper carbonate	2.0%
DARK PURPLE MATT	Add: Cobalt oxide	0.5%
	Manganese carbonate	5.0%
MEDIUM BLUE	Add: Cobalt oxide	2.0%
VOLCANIC BROWN	Add: Cobalt oxide	1.0%
	Manganese oxide	3.0%
	Red iron oxide	8.0%
ROBIN EGG BLUE	Add: Copper oxide	1.0%
BLUE/GREEN	Add: Copper carbonate	3.0%
	Rutile	3.0%
YELLOW/GRAY	Add: Rutile	4.0%
PURPLE	Add: Rutile	4.0%
	Manganese carbonate	4.0%
BUTTERSCOTCH	Add: Nickel oxide	1.0%
BROWN TO BLACK	Add: Red iron oxide	10.0%
OFF WHITE MATT	Add: Titanium dioxide	4.0%
YELLOW MATT	Add: Yellow stain	6.0%
CELADON GREEN	Add: Zinc oxide	0.5%
	Chrome oxide	1.0%

MULTI-COLORED COPPER SAND raku

Gerstley Borate	
Gerstley Borate.....	8 parts
Bone Ash.....	2 parts
Copper Carbonate.....	1/2 part
Cobalt Oxide.....	1/2 part

PIPENBURG RED BRONZE

Gerstley Borate 50
Frit 3134 50
Tin Oxide 3
Copper Oxide 2.5

Hal's Oil Luster

Cone 04 raku

furnished by Hal McWhinnie

Frit 3134	50.00%
Gerstley Borate	50.00%
TOTAL:	100.00%
add Copper Oxide	4.30%
Manganese Carb.	1.70%

COPPER MATT
4284
IRON OX - 9
COPPER RED - 78
F-3110 - 13

Raku Sand Dry cone

8 Parts Colemanite
2 Parts BoneAsh
1/2 part Copper Ox.
1/4 Part Cobalt Ox.
1/8 Part Tin Ox.

RAINBOW RUST

80 - GERSTLEY 40
20 - N. SYENITE 10
40 - COPPER CARB. 20
20 - RUTILE 10
40 - IRON (4284) 20

Moon Base

75% Gerstley Borate
20% Flint **U.S. 325**
5% Kaolin
A-Winter Gray
6% Umber
8% Tin Oxide

Rainbow

Cone 04 Raku

used by Ramon Camarillo

Gerstley Borate*	40%
Bone Ash	30
Nepheline Syenite	20
Copper Carbonate	10
TOTAL:	100%

Copper Red Matt

Gerstley Borate	50
Nepheline Syenite	30
Talc	20
Copper Carbonate	3

Hampton Satin

3 parts Gerstley Borate
1 part Cornwall Stone
1 part Ruston Feldspar
1/2 part Bone Ash

HERSH ORIBE GREEN

Frit 3134 (Ferro) 38
Gerstley Borate 38
Calcine EPK 19
Iron Oxide 3
Iron Chromate 3
Chrome 2
Nickel Carbonate 2
Potassium Bichromate 1

Green Crackle

Gerstley Borate	67.74	6.774
Frit P-54	32.26	3.226
Zircopax	5.38	0.538
Red Copper Oxide	2.15	0.215
Rutile	3.23	0.323

OXIDES mixed in water

Copper Carbonate.....100
Red Iron Oxide.....100

Copper Carbonate

Black- mix with 80/20 for gloss
Cobalt Carbonate.....10
Red Iron Oxide.....80
Manganese Dioxide.....30

MATERIALS WHICH CAN BE APPLIED DRY

Frit 3134 alone or mixed with oxides
such as Manganese Dioxide- Maroon

Manganese Dioxide

Douglas Dry
69% Red Copper Oxide
20% Bone Ash
10% Frit 3110 (Ferro)
1% Cobalt Carbonate

Goldner Stain

50% Copper
50% Iron

Slip/Stain

1 part Ball Clay **7**
1 part Frit 3124 (Ferro) **10**
1 part Mason Stain **12**

Joe's Stain

6 parts Gerstley Borate **51**
2 parts Mason Stain **24**
2 parts Nepheline Syenite **20**
1 part Tin **12**

KUENTZEL BLUE/BLACK/PURPLE

So 1 Part Gerstley Borate
So 1 Part Nepheline Syenite
So 1 Part Copper Carbonate
So 1 Part Rutile

BLACK ENGOBE SLIP cone 04

Kaolin.....40
Silica.....20
Colemanite.....10
Copper Carbonate.....2
Mason Black Stain #158.....5
Red Iron Oxide.....4
Manganese Dioxide.....1

TIN-CAN

4 parts Gerstley Borate
3 parts Nepheline Syenite
1 part Copper Carbonate
1/4 part Black & Nickle Oxide

MICHIGAN PATINA 2

3 Parts Gerstley Borate
1 Part Cornwall Stone
1 Part Nepheline Syenite
1/2 Part Copper Carbonate
1/4 Part Tin Oxide
1/8 Part Black Nickle Oxide

Hines Patina

7 parts Gerstley Borate **60**
3 parts Bone Ash **27**
2 parts Nepheline Syenite **20**
1 part Cornwall Stone **11**
1 part Copper Carbonate **18**

DRY BURGUNDY MAT
GB 50 ✓
TALC 30
NS 20
COPERC. 3

Night Red Slip

EPK.....80
Flint.....40
Gerstley Borate.....20
RIO.....140

White Slip
Ball-----500
SiO₂-----500
Frit 3124-200

GUN METAL

Gerstley Borate.....30
Neph Sy.....10
Copper carb.....30
RIO.....30

Motown Rust

Gerstley Borate.....30
Neph Sy.....10
Cornwall Stone.....20
Nickel ox.....20
Copper carb.....20

Rosensus Slip/Glaze

33% Gerstley Borate
33% Nepheline Syenite
33% Copper Carbonate

RAKU #13 GEORGIA BROWN RAKU

Colmanite 80.00
Nepheline Syenite 20.00
100.00
Add: Yellow ochre 10.0%
Copper carbonate 10.0%
Red iron oxide 10.0%

RAKU #14 REYNOLDS RAP RAKU

Barium Carbonate 6.00
Colmanite 64.00
Feldspar 12.00
Ball Clay 6.00
Silica Flint 12.00
100.00

Add:
Copper carbonate 12.0%

RAKU #15 RED/BLACK MATT

*Borax 50.00
Colmanite 50.00
100.00
Add: Cobalt oxide 2.0%
Red iron oxide 10.0%
Rutile 10.0%

RAKU #16 EGG SHELL BLUE

Borax 50.00
Colmanite 50.00
100.00
Add: Red iron oxide 0.5%
Copper carbonate 1.0%
Cobalt oxide 1.5%

RAKU #5 COBALT BLUE

Colmanite 50.00
Borax 50.00
100.00
Add: Cobalt oxide 2.0%
Rutile 3.0%

RAKU #6 GLASS RED

Colmanite 50.00
Borax 50.00
100.00
Add: Red iron oxide 10.0%
Copper carbonate 5.0%

RAKU #7 TOMATOE RED

Colmanite 50.00
Borax 50.00
100.00
Add: Red Iron Oxide 5.0%
Copper carbonate 20.0%

Tuti Fruti

Gerstley Borate 80
Nepheline Syenite 10
Talc 10
100%
Copper Carbonate 5-10%

Red Luster

Gerstley Borate 50
Borax 50
Copper Carbonate 10
Rutile 10

J.P. Metallic

65% Gerstley Borate
25% Anhydrous Borax
5% Nepheline Syenite
5% Kaolin
5% Light Tone Rutile
2% Black Copper Oxide

**Crusty Copper
(Cone 07-06)**

Borax 33.43%
Gerstley Borate 33.43
Calcined EPK (Edgar Plastic Kaolin) 13.05
EPK (Edgar Plastic Kaolin) 20.09
100.00%
Add: Copper Carbonate 15.86%
Nickel Carbonate 15.06%

Marcia's Plum White Raku

Borax 40%
EPK 50
Gerstley Borate 20
Silica 5
Whiting 5
Manganese 2
Cobalt Carbonate .5

**Red Green Raku
Cone 04***(furnished by Hal McWhinnie)*

Gerstley Borate 77%
Custer (Potash) Feldspar 20
Copper Carbonate 3
100%

**Copper Lustre
Raku Reduction**

Gerstley Borate 80
Cornwall Stone 20
add Copper Carb 3
Red Iron Oxide 1

Luster Raku

Gerstley Borate 80
Cornwall Stone 20
Copper Carb. 2

Copper Penny

80 Colemanite
20 Cornwall Stone
8 Ochre
2 Copper Oxide
1 Cobalt Oxide

Copper Penny 06

Colemanite.....35gr
Borax.....25.3gr
EPK.....21.5gr
Copper Carbonate.....5gr

Tomats Raku Glaze

Gerstley Borate 50%
Borax 50
100%
Add: Black Copper Oxide 3%
Cobalt Oxide 3%

Copper Blue/Bronze Raku Glaze

Borax 3.09%
Gerstley Borate 41.24
Nepheline Syenite 41.24
Kona F-4 Feldspar 14.43
100.00%
Add: Copper Carbonate 3.09%

Copper

Colemanite ✓ 80
Nepheline Syenite 20
Copper Carb. 5

Heavy Metal (Rust, mat)

Colemanite 30
Nepheline Syenite 10
Cornwall Stone ✓ 20
Nickel Carb. 20
Copper Carb. 20

**James Chapell's White
Glaze**

Gerst. Borate 82
Cornwall Stone 18

***Purple add:**

Mang. Dio. 2.5
Cobalt ox. .5
Lt. copper add:
Copper carb. 1
Milled Rutile 4.1

**ALKALINE MATTE
Cone 04 Raku**

2750 gr.
Nepheline Syenite 1300
Barium Carbonate 100
Lithium Carbonate 350
Flint 300
Kaolin 200
Copper Carbonate 200
TOTAL 5000 gr.

SOLDNER HALC

RAKU HALO SLIP - REDUCTION

GERSTLEY BORATE 14%

SILICA 200 MESH 28%

EPK 58%

IRON OX. RED 1%

COPPER CARB. 1%

102%

Soldner's Dry Engobe

Gerstley Borate.....100
Flint.....200
EPK.....400

Add:

Red//Copper carb.....10%
Blue//Cobalt carb.....3%
Yellow Ochre.....1%
Red/Blue//Copper carb.....10%
Cobalt carb.....3%

WHITE SLIP (Use very thin on Bisque)

Ball Clay 50
Silica 50
Frit 3304-20

SOLDNER STAIN

50 Copper
50 Iron

SLIP STAIN

1 Part Ball Clay
1 Part Frit 3124 (Ferro)
1 part Mason Stain

SLIP RESIST

Fire Clay 500 - 1500
EPK 300 - 900
Alumina Hydrate 20-250 - 750
(An increase of alumina will help hold a verticle surface.)

RISD ENGOBE

Cornwall Stone 40
EPK 40
Frit 3124-15
Borax 5
Superpax 10 (Commercial opacifer)

SHADOW SLIP

DRY ENGOBE

✓ Gerstley Borate 500 - 1000
✓ Kaolin 2000 - 4000
Silica 1000 - 2000

COPPER DRY ENGOBE

Gerstley Borate 50
Kaolin 200
Silica 100
Copper Carbonate 3%

DRY PINK

Gerstley Borate 80
Tin Oxide 20

15 Chrome

SADOW RAKU SLIP GLAZE cone 04

E.P.K.5
Copper Carbonate.....90
Soda Ash.....5

WHITE ENGOBE SLIP cone 04

Kaolin.....40
Silica.....20
Colemanite.....10

20%
30%
25%
10%

Ball clay
Flint
Frit 14
Talc

Engobe

Turquoise I (Cone 06)	
Gerstley Borate	5%
Soda Ash	10
Frit 3110 (Ferro)	70
Ball Clay	5
Silica (Flint)	10
	100%
Add: Zircopax	2%
Copper Carbonate	5%

Turquoise II (Cone 06)	
Frit 3110 (Ferro)	100%
Add: Bentonite	20%
Copper Carbonate	30%
Tin Oxide	30%

Turquoise III (Cone 06)	
Gerstley Borate	80%
Soda Feldspar	20
	100%
Add: Copper Carbonate	2%

I have tried to increase the copper to 5%.

Higby Water Blue Raku	
3110	70
Gerstley Borate	5
Silica	5
Soda Ash	10
EPK	5
Copper Carb.	3-6%

Clement Dolphin Blue	
7 parts Gerstley Borate	
3 parts Bone Ash	
2 parts Nepheline Syenite	
1 part Cornwall Stone	
1 part Copper Carbonate	
3/4 part Cobalt Oxide	

Medium Blue	
Borax	11.36
Gerstley Borate	79.54
Ball Clay	9.1
	100%
Zircopax	11.36%
Cobalt Oxide	2.27%

Copper Blue	
Borax	3.09
Gerstley Borate	41.24
Nepheline Syenite	41.24
Soda Feldspar	14.42
	100%
Copper Carbonate	3.09%

Copper Blue to Red
Raku Glaze

WATER BLUE cone 04-05

Frit 3110	76.3
Colemanite	5.7
E.P.K.	7.1
Flint	10.0
Copper Carbonate	4.0
Bentonite	2.0

Cerule Blue	
Gerst Bor	50
Borax	50
Cobalt	2%
Soda Ash	3%

Copper Raku:	
Colmanite	63
Custer Spar	12
Flint	12
Ball Clay	6
Barium Carbonate	6
Copper Carbonate	12

Blue Lustre	
Borax	50
Colmanite	50
Iron	5
Copper	5
Cobalt	5

Pale Aqua Metallic	
Gerstley Borate	1000
Copper Carbonate	30
Cobalt Oxide	10

Blue Hawaiian Raku Glaze	
Bone Ash	20.0%
Gerstley Borate	80.0
	100.0%
Add: Tin Oxide	1.3%
Copper Carbonate	5.0%
Cobalt Oxide	2.5%

Blue Green Crackle

Frit p-54	76
EPK	14
Barium carb.	10
Copper carb.	4

Frit 3134	45%
Gerstley Borate	40%
Flint	07%
EPK Kaolin	08%
Copper Carbonate	06%

Blue

70 Frit 3110	
5 Colemanite	
10 Flint	
10 Soda Ash	
5 Kaolin	
3 Copper carb.	
(For Blue)	
4-6 Copper carb.	
(For Red Black)	

Soda Blue	
Frit 3124	70
Colmanite	50
Flint	10
Soda Ash	10
Kaolin	5
	145 gra

Blue Velvet-Dry

3 Parts Colemanite	
1 " Neph. Syn.	
2 " Alumina Hydrate	
2 " Copper Oxide	
2 " Dark Rutile	

Raku Base Slip II

A white non-shrinking refractory slip

Gerstley Borate	20%
Kingman Feldspar	40
Flint	40
	100%

To these base slips, the following colorant combinations may be added:

Dark Brown Colorant

Copper Carbonate	30%
Red Iron Oxide	60
Rutile	80

Copper Colorant

Copper Carbonate	60%
Red Iron Oxide	30
Rutile	80

Green Colorant

Chromium Oxide	1.0%
Cobalt Carbonate	0.5
Copper Carbonate	0.5
Red Iron Oxide	0.5

Blue Colorant

Cobalt Carbonate	2.5%
Red Iron Oxide	1.0

Tan Colorant

Red Iron Oxide	6%
Rutile	8

Jorie's Blue Glaze Raku - Cone 06

Gerstley Borate	60
Nepheline Syenite	15
Suprapax	15
Copper Carbonate	6
Cobalt Carbonate	3

Yellow Raku Glaze

Lithium Blue	
Gerstley Borate	52.63
Lithium Carbonate	22.11
Nepheline Syenite	25.26
	100%
Tin Oxide	3.16%
Copper Carbonate	2.11%

Frit 3134

Borax
EPK Kaolin
Vanadium Stain

RAKU #9 TRAN YELLOW

Colemanite	50.00
Borax	50.00
	100.00
Add: Rutile	3.0%
Red Iron Oxide	10.0%

80 %

10 %

10 %

06 %

RAJA

Nepheline Syenite	27
Lithium Carbonate	13.5
EPK	7
HPM-20 Bentonite	1
Copper Carbonate	2

Yellow green

(measure by weight)

Colemanite	50
Borax	50
Potassium Dichromate	.5
Barium Carbonate	.3

Yellow

Colemanite	80
Burnt Umber	20

Yellow Green

Gerstly Borate	50
Borax	50
Soda Bicarb	0.5
Potassium Dichromate	0.3

From Steve Branfman:

Yellow Crackle Raku

Gerstley Borate	80
Cornwall Stone	20
Vanadium Stain	3-6

O-YELLOW cone 05

Colemanite	62
White Lead	65
Ball Clay	52
Flint	80
Rutile	27

Suede

(Cone 07-06)

Lithium Carbonate	28.12%
Bentonite	5.21
Calcined EPK (Edgar Plastic Kaolin)	20.84
EPK (Edgar Plastic Kaolin)	10.42
Silica (Flint)	35.41
	100.00%
Add: Copper Carbonate	4.17%

Yellow Iron

4 parts Gerstley Borate	34
2 parts Bone Ash	18
1 part Nepheline Syenite	10
1 part Cornwall Stone	11
1/2 part Copper Carbonate	13
1/2 part Black Nickel Oxide	

Brown

Colemanite	80
Yellow Ochre	20

Sandy Scot Raku Glaze

Colemanite	40%
Lepidolite	20
Lithium Carbonate	20
Spodumene	20
	100%
Add: Ultrox	20%
Copper Carbonate	4%

Blue-Green Gloss

(Cone 07-06)

Gerstley Borate	42.4%
Lithium Carbonate	13.6
Nepheline Syenite	44.0
	100.0%
Add: Copper Carbonate	2.7%

(68) BERMAN Raku - 04

40 GERSTLEY BORATE
20 NEPH. SYENITE
20 SPODUMENE-TRIMITY
20 LITHIUM CARB.
19 SUPER-PAX
2% COPPER CARB.

Red Bronze Raku Glaze

Gerstley Borate	50.0%
Frit 3134 (Ferro)	50.0
	100.0%
Add: Tin Oxide	5.1%
Copper Oxide	4.3%
For an oil luster effect, replace the tin oxide addition with 1.7% manganese carbonate.	

Lithium Blue Raku Glaze

Gerstley Borate	52.63%
Lithium Carbonate	22.11
Nepheline Syenite	25.26
	100.00%
Add: Tin Oxide	3.16%
Copper Oxide	2.11%
A medium blue crackle with moderate luster effects in heavy reduction.	

Medium Blue Raku Glaze

Borax	11.36%
Gerstley Borate	79.54
Ball Clay	9.10
	100.00%
Add: Zircopax	11.36%
Cobalt Oxide	2.27%

Green Raku Glaze

Gerstley Borate	67.74%
Frit 3134 (Ferro)	32.26
	100.00%
Add: Zircopax	5.38%
Red Copper Oxide	2.15%
Rutile	3.23%
An opaque light green glaze; yields luster effects in heavy reduction.	

Craters o' Moon

Lithium carb.	30
EPK	10
Magnesium	10
Flint	30
Bentonite	5
Borax	1.5
Copper carb.	6

RAKU CLEAR cone 03

Gerstley Borate.....80
Clay.....EPK.....20

80 GB / 20 Zirc
White

Cloud White (13)

75% Gerstley Borate
25% Feldspar 6-200

Raku 1-2-3 White cone 06

1 Part Silica
2 Parts Kaolin
3 Parts Colemanite

VAL'S ALKALINE MATT

10 EPK
6 silica
14 BC
50 3110
8 NS
6 LC

BASES.

	100	A	B	C
GERSTLEY B	50	50	60	70
NEPH. SYEN	50	40	30	

Worthington (18)

55% Gerstley Borate 50
30% Edgar Plastic Kaolin 33
15% Flint U.S. Silica 17

Gibson (19)

58% Gerstley Borate
26% Edgar Plastic Kaolin
16% Flint U.S. Silica 325

Ivory White

1 part Gerstley Borate 8
1 part Cornwall Stone 11.5
1 part Nepheline Syenite 10
1 part Frit 3134 (Ferro) 10
1/4 part Suprapax 8 39.5

RAKU F CLEAR

EPK 25
Kaolin.....75
Colemanite.....75

WHITE
MTN.
60 GB
40
WATER

Gerstley Borate 80
Feldspar 20 8 \$2

RAKU #18 CLEAR CRACKLE RAKU GLAZE

Colmanite 66.80
Nepheline syenite 8.30
Ball Clay 8.30
Kaolin 16.60
100.00
NOTE: For a white
glaze add: zircopax 16.0%

RAKU #2 SATIN WHITE

Streaks Flint 10.00
Kaolin 20.00
Colemanite 70.00
100.00

WHITE CRACKLE GLAZE

Colemanite 80
Nepheline Syenite 20
EPK 4
Zircopax 2

James Lawton's basic crackle clear glaze

Gerstley borate 70
Nepheline syenite 20
Kaolin (china clay) 10

Crackle White

Gerstley Borate 80
Nepheline Syenite 20
Zircopax 15
Kaolin 5
Silica 5

Crackle Clear Raku Glaze

Gerstley Borate.....65.0%
Nepheline Syenite.....20.0
Kaolin.....5.0
Flint.....10.0

Silver White Base

5 Parts Gerstley Borate 41
3 parts Nepheline Syenite 30
2 parts Lithium Carbonate 18

Donna's White

1 part Gerstley Borate 8
1 part Nepheline Syenite 10
1/2 part Suprapax 4

Nantucket (Satin White) (14)

45% Gerstley Borate
45% Nepheline Syenite
10% Flint U.S. Silica 325

Smooth White Thunder (15)

50% Nepheline Syenite
40% Gerstley Borate
10% Flint U.S. Silica 325

Pearl White (16)

56% Nepheline Syenite
44% Gerstley Borate

RAKU #3 SHINING WHITE

Colemanite 50.00
Feldspar 50.00
100.00

RAKU #4 CLEAR/TRANSPARENT

Colemanite 80.00
Nepheline Syenite 20.00
100.00

Long Beach White Matt

GB 18
WATER 18
DMY 23

Sandy Scott's raku base

Gerstley borate	28
Lepidolite	14
Spodumene	14
Lithium carbonate	14
Ultrox	14

Add 4% copper carbonate for green/turquoise/pink to orange.

Raku clear

Colemanite	80
Nepheline Syenite	10
Cornwall Stone	10

Raku Base Glaze

Gerstley Borate	61.22
Cornwall Stone	19.39
Nepheline Syenite	19.39
Zircopax	100%
Bentonite	8.16
	2.04

Soldner Lava

GB	20
SILICA	10
SODA ASH	50

Lava	
Kaolin	20
Silica	10
Soda Ash	50

White Matt

150	8.02	30
10	Zinc	7
90	Colmanite	10
90	Pot Spar	10
115	Ball	5
25	BaCO ₃	1
15	Borax	1

11/11/18

Middlebrook's Crackle White

60%	Gerstley Borate
50%	Potash Feldspar
22%	Barium Carbonate
16%	Silica

Conch White

4 parts	Gerstley Borate
1 part	Cornwall Stone
1 part	Bone Ash

Crusty Gray

3 parts	Gerstley Borate
1 part	Tin Oxide

White Crackle

Barium Carbonate	12.05
Gerstley Borate	57.83
Nepheline Syenite	30.12
	100%
Tin Oxide	8.43%
or Zircopax	12.05

PIEPENBURG WHITE

Gerstley Borate	70
Cornwall Stone	15
Tin Oxide	10
Barium	5

Hank's Raku

55%	Gerstley Borate
20%	Nepheline Syenite
15%	Lithium Carbonate
5%	Kaolin (E.P.K.)
5%	Tin Oxide

50	GERSTLEY BORATE
20	NEPH SYENITE
10	EPK
10	SODA ASH
3	TIN OX.

Basic

Colmanite	10
Borax	10
Silica	10

150/50 base

Borax	3
Talc	1
Fe	a pinch

White

Zircopax	8
Ball	10
Frit 3134	82

Smoky Metal

40%	Gerstley Borate
30%	Frit 3134 (Ferro)
20%	Flint
5%	Ball Clay
5%	Whiting

Copper Bronze Raku

Gerstley Borate	50.0%
Frit 3134	50.0
TOTAL:	100.00%
add Tin Oxide	5.1
Copper Oxide	4.3

Raku White Crackle c06

3134 (or 3110)	85
Tin	5
Kaolin	5
Spar	5

Fat White Raku Glaze

Gerstley Borate	38%
Frit 25 (Pemco)	38
Nepheline Syenite	11
Kaolin	3
Kentucky Ball Clay (OM 4)	5
Flint	5
	100%
Add: Tin Oxide	1%

Hirsch White

40%	Frit 3110 (Ferro)
40%	Gerstley Borate
20%	Nepheline Syenite
8%	Edgar Plastic Kaolin

HIROSHI
MATT WHITE

Val's Satin Stone Matt

GB	10
3124	45
TALC	5
EPK	5
SILICA	15
NS	15
WHITING	5

Val's Opaque White Matt

3124	78
NS	14
WHITING	6
EPK	2

Flesh White

Gerst Bor	85
Neph Syn	20
Zinc	5%

Dry Washed White

1 part	Gerstley Borate	8
1 part	Cornwall Stone	11
1 part	Nepheline Syenite	10
1 part	Bone Ash	9
1/2 part	Zircopax	38

Marcia's Clear White Raku

glazes developed by Marcia Jestaedt, Bowie, MD

Frit 3124	40%
EPK	10
Gerstley Borate	45

ratio for the above glaze is 6.7. The Silica is low. Unless used over a white base, the above formula could be modified for the basic glaze:

10	Zircopax
5	Silica
5	EPK

	Middlebrook Antique W.	Antique Satin White	Ghost White Var.	Ghost White
Gerstley Borate	80	70	60	50
Talc #2882	20	30	40	50
G-200				
Silica				

EPK
SHELL
45
11
33
11

Brass/Silver

Fit "J" (Great Aerial) Low Al. (Sag.)	94%
Silver Sulfide	2
Tin Oxide (as a binder)	2
Bentonite	2

Neon Green

Frit "J"	96.0 %
Silver Sulfide	2.0
Bentonite	2.0
	<u>100.0 %</u>
Add: Chrome Oxide	0.2 %

Gold

Frit "Y"	96.0%
Silver Sulfide	3.0
Copper Carbonate	0.5
Red Iron Oxide	0.5

Blue Silver Raku Glaze

Lithium Carbonate	9.8%
Frit 25 (Pemco)	42.5
Frit 3134 (Ferro)	27.4
Edgar Plastic Kaolin	6.3
Flint	14.0
	100.0%
Add: Soda Ash	1.0%
Bentonite	2.0%
Cobalt Carbonate	1.1%
Silver Nitrate	2.1%

RAKU #8 GOLD LUSTER

Colmanite	40.00
Borax	50.00
Silica Flint	10.00
	100.00
Add: Silver nitrate	.52

[illegible]

Raku Glazes

Gold Lusters