

Black Glazes – Cone 5

Rust Red Glaze (Cone 6, reduction)	
Bone Ash	4.0 %
Talc	4.0
Whiting	20.0
Custer Feldspar	50.0
Frit 3110 (Ferro)	4.0
Edgar Plastic Kaolin	18.0
	100.0 %
Add: Tin Oxide	4.0 %
Black Iron Oxide	5.0 %

A Cone 6 version of Shaner's Red; it is very sensitive to application thickness, reduction and clay body. The best reds seem to come from relatively thin applications on high-iron clays, with a moderate reduction from Cone 010 to the end of the firing.

Tennmoku Glaze (Cone 6, reduction)	
Whiting	20 %
Custer Feldspar	35
Kentucky Ball Clay (OM 4)	15
Flint	30
	100 %
Add: Red Iron Oxide	10 %

A Cone 10 recipe that works equally well at Cone 6; yields yellow "tea dust" crystals in reduction. Not as interesting in oxidation; just lies there and looks brown.

Annette's Florida Tan Glaze (Cone 6, oxidation or reduction)	
Dolomite	6.58 %
Gerstley Borate	13.05
Soda Ash	0.11
Talc	13.05
Custer Feldspar	41.01
Edgar Plastic Kaolin	6.58
Flint	19.62
	100.00 %
Add: Zircopax	9.65 %
Red Iron Oxide	1.97 %
Rutile	5.48 %

Best as a background for other glazes, such as SJC Turquoise/Red. Yields similar results in oxidation or reduction.

GUN METAL GLOSS BLACK (cone 6)	
Gerstley Borate	10.7 %
F-4 Feldspar	39.4
Nepheline Syenite	39.4
Whiting	5.5
EPK Kaolin	5.0
	100.0 %
Add: Copper Carbonate	4.1 %
Manganese Dioxide	4.1 %
Cobalt Carbonate	2.0 %
Bentonite	2.0 %

Blue-Black Gloss Glaze (Cone 6)	
Albany Slip	38.00 %
Cryolite	5.00
Wollastonite	19.00
Nepheline Syenite	14.25
Ball Clay	23.75
	100.00 %
Add: Chrome Oxide	0.25 %
Cobalt Oxide	0.75 %
Red Iron Oxide	2.00 %

Black Glaze I (Cone 6)	
Albany Slip	59 %
Whiting	12
Nepheline Syenite	29
	100 %
Add: Yellow Ocher	18 %

Albany Glaze (Cone 6)	
Albany Slip	89 %
Cryolite	11
	100 %
Add: Bentonite	2 %

This is a dark, shiny brown glaze.

Green/Black Glaze (Cone 6)	
Frit 25 (Pemco)	27.0 %
Gerstley Borate	15.0
Spodumene	40.0
Kaolin	18.0
	100.0 %
Add: Tin Oxide	6.8 %
Copper Carbonate	4.8 %

This is a shiny, green/black glaze with gray metallic areas.

Old Faithful Glaze (Cone 6-7)	
Albany Slip	68.0 %
Barium Carbonate	2.9
Frit 3134 (Ferro)	29.1
	100.0 %
Add: Red Iron Oxide	2.9 %

Where thin, this smooth, glossy transparent glaze is dark brown; where thick, it is caramel in color.

#27 ORANGE TO TEAL (light application=orange, heavy)	
Custer Feldspar	416
Whiting	175
EPK	98
Silica	263
Titanium Dioxide	48
Iron Oxide	50
Chrome Oxide	7.5

Spotted Black

Custer Feldspar	66.10
Whiting	5.08
Silica	11.86
Yellow Iron Oxide	16.95

Spruce Blue Glaze Cone 6 Oxidation (medium to dark blue)

Whiting	1000
Frit 3124	1250
Nepheline Syenite	1250
Kaolin	750
Flint	750
Zircopax	500
Copper Carbonate	100
Cobalt Carbonate	100
Rutile	250

Persimmon Glaze (Cone 6)	
Custer Feldspar	34 %
Whiting	17
Edgar Plastic Kaolin	8
Flint	41
	100 %
Add: Red Iron Oxide	13 %

Super Bad Brown Matt Glaze

(Cone 4-6)

Gerstley Borate	2.08%
Whiting	29.17
Nepheline Syenite	58.33
Ball Clay	10.42
	100.00%
Add: Zinc Oxide	6.25%
Red Iron Oxide	10.42%

Redart Glaze

(Cone 3-5)

Gerstley Borate	19.78%
Whiting	16.48
G-200 Feldspar	21.98
Cedar Heights Redart	19.78
Edgar Plastic Kaolin	10.99
Flint	10.99
	100.00%
Add: Zinc Oxide	9.89%

Yields a soft beige color. Variations are possible with the following additions:

Blue-gray:

Cobalt Carbonate	1.00%
Light Rutile	3.00%

Blue:

Cobalt Carbonate	2.00%
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Green:

Copper Carbonate	4.00%
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Tan:

Light Rutile	4.00%
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Black:

Mason Black Stain 6600 ..	5.00%
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C.M. 482 456

G.B. 20%

Neph 73

Titanium Dioxide

R.I.O

Shiny Black Glaze

(Cone 6-9)

Dolomite	8.76%
Gerstley Borate	14.65
Whiting	8.92
Cornwall Stone	41.06
Georgia Kaolin	17.85
Flint	8.76
	100.00%

Add: Black Stain 6600 (Mason) 6.00%

Creamy White w/ Black Mottling cone 6 ox/

EPK	4
Zircopax	67
Kryolite	33
Copper carb	4-6%

Original Cone 8	Option A Cone 6	Option B Cone 6
Custer Feldspar 40.0%	58.5%	39.0%
Silica 30.0	8.5	18.0
Whiting 20.0	21.3	28.0
Kaolin 11.0	11.7	14.0

Custer Feldspar 40.0%	58.5%	39.0%
Silica 30.0	8.5	18.0
Whiting 20.0	21.3	28.0
Kaolin 11.0	11.7	14.0

To compare options A and B, the additions reported by Chappell were added to each:

add

Cobalt Oxide	1.0%
Rutile	8.9%*
Vanadium Pentoxide	1.0%
Bentonite	2.0%

* 8.9% in Chappell's book is judged to be

Red-Orange

Cone 6 Electric

Potash Feldspar	46.7%
China Clay (EPK)	4.0
Bentonite	2.0
Bone Ash	15.0
Lithium Carbonate	4.0
Talc	16.9
Flint	11.4
TOTAL	100.0

add Red Iron Oxide 11.5

Red Purple Chrome

Developed by Richard Burket

Gerstley Borate	21.0%
Nepheline Syenite	16.0
EPK	11.0
Whiting	20.0
Flint	32.0
TOTAL	100.0%

add colorants:

Tin Oxide	5.0
Chrome	.14
Cobalt Carbonate	.25

Wild Rose Temmoku

(Cone 6)

Lithium Carbonate	1.50 grams
Tricalcium Phosphate	1.50
Nepheline Syenite	8.75
6 Tile Kaolin	2.50
	14.25 grams
Add: Red Iron Oxide	1.50 grams

Randy's Red cone 6 ox/

Kona F-4	20
Gerstly Borate	31
Talc	14
EPK	5
Flint	30
RIO	15

Metallic Black Glaze

(Cone 6)

Gerstley Borate	10.75%
Whiting	5.48
Feldspar	78.86
Kaolin	4.91
	100.00%
Add: Cobalt Oxide	2.07%
Copper Carbonate	4.14%
Manganese Dioxide	4.14%

Single-Fire Ash Glaze

(Cone 6)

Wood Ash	19%
Potash Feldspar	25
Kaolin	12
Red Clay	13
Flint	31
	100%
Add: Cobalt Carbonate	1-5%
Red Iron Oxide	15%

Lana's Rust Glaze

(Cone 06-6)

Borax	1 teaspoon
Kaolin	1/2 teaspoon
Flint	1/2 teaspoon
Vanadium Pentoxide	3/4 teaspoon
	2 3/4 teaspoons

Dark Brown Satin Matt Glaze

(Cone 6)

Dolomite	10%
Gerstley Borate	10
Whiting	14
Custer Feldspar	47
Edgar Plastic Kaolin	19
	100%
Add: Manganese Dioxide	5%
Red Iron Oxide	10%

Overspray Mix

(Cone 4)

Zinc Oxide	10%
Frit 3124 (Ferro)	70
Barnard Clay	20
	100%
Add: Cobalt Carbonate	1%
Copper Carbonate	4%

Iron Red Glaze

(Cone 6, reduction)

Bone Ash	10.0%
Talc	5.0
Whiting	15.1
Nepheline Syenite	49.9
Georgia Kaolin	20.0
	100.0%
Add: Red Iron Oxide	3.9%

Zakin Matt Glaze

(Cone 6)

Dolomite	18%
Gerstley Borate	10
Soda Feldspar	30
Spodumene	12
Ball Clay	10
Cedar Heights Redart	20

Metallic Iron Red Glaze

(Cone 6, reduction)

Gerstley Borate	5.3%
Soda Ash	3.2
Spodumene (chemical grade)	22.8
Nepheline Syenite	54.0
Kentucky Ball Clay (OM 4)	14.7
100.0%	
Add: Red Iron Oxide	3.4%

Albany Red Glaze

(Cone 6, reduction)

Gerstley Borate	27.0%
Albany Slip Clay	73.0
100.0%	
Add: Red Iron Oxide	4.8%

Ron Roy Black Glaze #3

(Cone 6)

Talc	5.0%
Whiting	4.0
Custer Feldspar	22.0
Frit 3134 (Ferro)	26.0
Edgar Plastic Kaolin	17.0
Flint	26.0
100.0%	
Add: Bentonite	2.0%
Cobalt Carbonate	1.0%
Red Iron Oxide	9.0%

Albany Brown/Blue Glaze (Cone 6)

Borax	4.5%
Nepheline Syenite	4.5
Albany Slip	91.0
100.0%	
Add: Red Iron Oxide	6.0%

Pam's Tweed Glaze (Cone 6)

Barium Carbonate	3.7%
Gerstley Borate	14.6
Whiting	1.7
Custer Feldspar	50.5
Edgar Plastic Kaolin	1.1
Flint	28.4
100.0%	
Add: Zinc Oxide	3.7%
Manganese Dioxide	2.3%
Red Iron Oxide	2.3%
Rutile (Dark)	1.2%

Rusty Gloss Glaze

(Cone 6)

Dolomite	20%
Spodumene	20
Frit 3134 (Ferro)	20
Ball Clay	20
Flint	20
100%	
Add: Tin Oxide	5%
Red Iron Oxide	4%
Rutile	4%

A stable glaze; yields tan where thick.

Albany Glaze

(Cone 6, reduction)

Spodumene (chemical grade) ..	21.0%
Whiting	6.0
Albany Slip Clay	73.0
100.0%	
Add: Red Iron Oxide	4.4%

Albany Red Glaze

(Cone 6, reduction)

Gerstley Borate	27.0%
Albany Slip Clay	73.0
100.0%	
Add: Red Iron Oxide	4.8%

Kaki Glaze

(Cone 6, reduction)

Barium Carbonate	6.4%
Gerstley Borate	16.1
Nepheline Syenite	32.3
Georgia Kaolin	19.4
Flint	25.8
100.0%	
Add: Zinc Oxide	7.5%
Red Iron Oxide	6.4%

Amber Gloss Glaze

(Cone 1-6)

Cedar Heights Redart	50%
Gerstley Borate	50
100%	

A burnt orange where thin and amber where thick in oxidation; celadon green in reduction. For a purple gloss, add 0.25% cobalt carbonate and 2% manganese dioxide.

Iron Red Glaze

(Cone 6, reduction)

Bone Ash	10.0%
Talc	5.0
Whiting	15.1
Nepheline Syenite	49.9
Georgia Kaolin	20.0
100.0%	
Add: Red Iron Oxide	3.9%

Chris Wolff's Cream Gloss Glaze

(Cone 6)

Gerstley Borate	30%
Whiting	10
Custer Feldspar	35
P.V. (Plastic Vitrox) Clay	15
Flint	10
100%	
Add: Red Iron Oxide	2%
Rutile	3%

Metallic Iron Red Glaze

(Cone 6, reduction)

Gerstley Borate	5.3%
Soda Ash	3.2
Spodumene (chemical grade) ..	22.8
Nepheline Syenite	54.0
Kentucky Ball Clay (OM 4) ..	14.7
100.0%	
Add: Red Iron Oxide	3.4%

Iron Red-to-Green Glaze

(Cone 6, reduction)

Bone Ash	4.0%
Talc	3.2
Whiting	19.0
Custer Feldspar	47.3
Frit 25 (Pemco)	4.5
Georgia Kaolin	22.0
100.0%	
Add: Red Iron Oxide	3.9%

Temmoku Glaze

(Cone 6, reduction)

Dolomite	11.7%
Wood Ash (unwashed)	17.0
Custer Feldspar	23.0
Kentucky Ball Clay (OM 4) ..	5.6
Flint	42.7
100.0%	
Add: Red Iron Oxide	11.0%

Silk and Satin Celadon Glaze

(Cone 6, reduction)

Whiting	16.1%
Custer Feldspar	48.3
Georgia Kaolin	4.6
Flint	31.0
100.0%	
Add: Zinc Oxide	14.9%
Red Iron Oxide	1.1%

Saturated Iron Glaze

(Cone 6, reduction)

Gerstley Borate	43.50%
Edgar Plastic Kaolin	13.05
Frit 3134 (Ferro)	13.05
Flint	30.40
100.00%	
Add: Tin Oxide	3.79%
Red Iron Oxide	9.10%

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Chris Wolff's Plum Glaze

(Cone 6)

Gerstley Borate	13.0%
Whiting	8.7
Custer Feldspar	60.9
Kaolin	8.7
Flint	8.7
100.0%	
Add: Red Iron Oxide	11.5%

V.C. Satin Matte cone 6 ox/red.

Nephty Sy.....	40
Gerstly Borate.....	10
Whiting.....	10
Lithium carb.....	6
EPK.....	12
Flint.....	12
Titainium doix.....	10

Colorants:

Lt. Green//Copper carb.....	1-2%
Lt. Blue//Cobalt carb.....	1%
Metallic Blk/Grn//Copper carb....	3-5%
Rusty Bronze//RIO.....	2-3%
Orange//Dark Rutile.....	8%

Albany Slip Glaze
(Cone 6, reduction)

Whiting	11.0%
Custer Feldspar	29.7
Albany Slip Clay	49.4
Flint	9.9
	100.0%
Add: Zinc Oxide	9.9%
Red Iron Oxide	1.1%

Albany Temmoku Glaze
(Cone 6, reduction)

Wood Ash (unwashed).....	16%
Albany Slip Clay	84
	100%
Add: Red Iron Oxide	3%

Red-Brown Glaze
(Cone 6, reduction)

Whiting	20.3%
Custer Feldspar	52.7
Georgia Kaolin	11.4
Flint	15.6
	100.0%
Add: Zinc Oxide	4.2%
Red Iron Oxide	11.1%

Barium Satin Matt Glaze
(Cone 5-6)

Barium Carbonate	21.50%
Magnesium Carbonate	1.21
Whiting.....	10.06
Zinc Oxide	1.15
Nepheline Syenite	26.65
Edgar Plastic Kaolin	11.12
Flint	28.31
	100.00%
Add: Ilmenite	5.00%
Rutile	5.00%

Yields creamy white with small specks of brown.

Hal's Semimatt Cream Glaze
(Cone 6)

Magnesium Carbonate	8.21%
Whiting	14.66
Zinc Oxide	1.32
Nepheline Syenite	40.25
Edgar Plastic Kaolin	8.40
Flint	27.16
	100.00%
Add: Red Iron Oxide	1.00%
Tin Oxide	1.00%

Very nice over dark clay bodies. Will craze in patterns when thick.

Chris Wolff's
Plum Glaze
(Cone 6)**Albany Slip Glaze**
(Cone 6)

Gerstley Borate	17.39%
Lithium Carbonate	4.35
Albany Slip Clay	69.56
Flint	8.70
	100.00%
Add: Red Iron Oxide	5.00%

Chris Wolff's Cream Gloss Glaze
(Cone 6)**Amber****Cone 6-8 Oxidation**

provided by Bill Van Gilder

Custer Feldspar	30.27%
Whiting	25.65
Silica or Flint	36.53
EPK	7.55
TOTAL:	100.00%
add Red Iron Oxide	11.66%

Gerstley Borate	13
Whiting	8.7
Custer Feldspar	60.9
Kaolin	8.7
Flint	8.7

Add: Red Iron Oxide 11.5

Gerstley Borate	30
Whiting	10
Custer Feldspar	35
P.V. (Plastic Vitrox) Clay	15
Flint	10

Add: Red Iron Oxide 2
Rutile 3

Hal's Brown Glaze
(Cone 6)

Whiting	18.06%
Zinc Oxide	12.04
Nepheline Syenite	37.02
Edgar Plastic Kaolin	7.77
Flint	25.11
	100.00%
Add: Manganese Dioxide	1.50%
Red Iron Oxide	1.00%

Tan/Light Brown Glaze

(Cone 6-8, oxidation or reduction)

Gerstley Borate	31.69%
Talc	13.86
Soda Feldspar (any)	19.80
Edgar Plastic Kaolin	4.95
Flint	29.70
	100.00%
Add: Zircopax	4.95%
Red Iron Oxide	2.97%
Rutile	2.97%

Warm Tan Glaze (Cone 6)

Frit 3819 (Ferro)	46.8%
Gerstley Borate	9.6
Magnesium Carbonate	10.6
Whiting	18.1
Kaolin	14.9
	100.0%

Add: Zircopax	21.3%
Red Iron Oxide	1.5%
Rutile	7.0%

This is a warm, yellow, translucent matt glaze with speckles.

Brown Magnesia Matt Glaze (Cone 6)

Barium Carbonate	2.7%
Magnesium Carbonate	7.3
Whiting	7.2
Wood Ash	18.8
Nepheline Syenite	20.5
Calcined Kaolin	14.7
Edgar Plastic Kaolin	7.5
Flint	21.3
	100.0%

Add: Tin Oxide	4.1%
Zinc Oxide	4.7%
Rutile	0.8%

This is a pale tan, waxy matt glaze with darker brown speckles.

Light Brown Gloss Glaze (Cone 6)

Barium Carbonate	3.3%
Magnesium Carbonate	0.6
Whiting	19.5
Wood Ash	15.8
Zinc Oxide	0.6
Nepheline Syenite	26.1
Edgar Plastic Kaolin	14.0
Flint	20.1
	100.0%

Add: Manganese Dioxide	1.2%
Red Iron Oxide	0.9%

This is a tan, semigloss glaze with brown speckles.

Metallic Black Glaze (Cone 6)

Gerstley Borate	11%
Whiting	5
Custer Feldspar	79
Edgar Plastic Kaolin	5
	100%

Add: Cobalt Oxide	2%
Copper Carbonate	4%
Manganese Dioxide	4%

Yin's Albany Slip Glaze (Cone 6)

Albany Slip	66.7%
Frit 14 (Hommel)	28.6
Custer Feldspar	4.7
	100.0%

Add: Cobalt Carbonate	1.0%
Red Iron Oxide	4.7%

This glaze needs about 5 or 6 thin layers and may produce surprises in surface quality and glaze texture.

Soft and Shiny Brown Glaze (Cone 5-6)

Whiting	19.5%
Zinc Oxide	2.5
Custer Feldspar	50.7
Edgar Plastic Kaolin	8.8
Flint	18.5
	100.0%

Add: Red Iron Oxide	5.0%
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Rutile B-Matt Glaze (Cone 5-6)

Whiting	20%
Custer Feldspar	56
Edgar Plastic Kaolin	18
Flint	6
	100%

Add: Zinc Oxide	9%
Rutile	7%