

Clear Glazes – Cone 10

CL#1 NELSON TRANSPARENT I

Silica Flint	28.00	NOTE: for blue-grey, celestine add red iron oxide 2%
Feldspar	44.00	
Kaolin	10.00	
Whiting	18.00	
* Add Bentonite 2%	100.00	

CL#2 SANDER'S TRANSPARENT

Feldspar	44.00	NOTE: good clear or porcelain
Whiting	18.00	
Kaolin	10.00	
Silica Flint	28.00	
* Add Bentonite 2%	100.00	

CL#3 BAUER CLEAR GLAZE

Colemanite	2.97	NOTE: Clear with some opaque white spots
Whiting	14.85	
Zinc Oxide	2.97	
Cornwall Stone	79.21	
* Add Bentonite 3%	100.00	

CL#4 BINNS CLEAR GLAZE

Whiting	26.09	NOTE: Very dependable recipe
Feldspar	34.78	
Ball Clay	13.04	
Silica Flint	26.09	
	100.00	

CL#5 CLEAR PORCELAIN

Dolomite	9.60	NOTE: Is transparent gray to green over stone-ware
Gersly Borate	6.10	
Whiting	9.80	
Cornwall Stone	45.20	
Kaolin	19.70	
Silica Flint	9.60	
	100.00	

CL#6 SHANER CLEAR GLAZE

Dolomite	5.20	NOTE: Cone 9-10 oxidation or reduction
Whiting	16.80	
Feldspar	32.00	
Kaolin	14.10	
Silica Flint	31.90	
* Add Bentonite 3%	100.00	

CL#7 CLEAR PORCELAIN GLAZE I

Colemanite	10.00	NOTE:
Whiting	10.00	
Feldspar	50.00	
Kaolin	10.00	
Silica Flint	20.00	
	100.00	

CL#8 CLEAR PORCELAIN GLAZE II

Bone Ash	2.00	NOTE:
Whiting	9.80	
Feldspar	78.40	
Kaolin	8.80	
	100.00	

CL-1

CL#9 K-9

Kaolin	5.80	NOTE: Good for brush work decoration
Barium Carbonate	5.80	
Magnesium Carbonate	3.50	
Whiting	15.10	
Feldspar	69.80	
	100.00	

CL#10 M A CLEAR GLAZE

Feldspar	39.70	NOTE:
Colemanite	16.70	
Whiting	7.10	
Barium Carbonate	2.00	
Zinc Oxide	7.00	
Kaolin	12.00	
Silica Flint	15.50	
	100.00	

CL#11 CLEAR 6-1

Feldspar	44.00	NOTE:
Whiting	18.00	
Kaolin	10.00	
Silica Flint	28.00	
	100.00	

CL#12 CLEAR 6-2

Feldspar	52.00	NOTE:
Colemanite	15.00	
Dolomite	9.50	
Talc	18.00	
Kaolin	5.50	
	100.00	

CL#13 TRANSPARENT (Mist) GLAZE

Nepheline Syenite	25.00	NOTE: opaque-non-fluid glaze. Oxidation or reduction good for decoration scratched through to the body. Good for agraftito/slip decoration
Feldspar	25.00	
Colemanite	10.00	
Dolomite	7.00	
Talc	13.00	
Kaolin	5.00	
Silica Flint	15.00	
	100.00	

CL#14 CLEAR WITH IRON MARK

Feldspar	45.00	NOTE:
Silica Flint	9.30	
Kaolin	9.00	
Nepheline Syenite	9.60	
Colemanite	8.70	
Whiting	18.40	
	100.00	

GENERAL NOTES:

* See mixing instructions on page 1

CL#15 TRANSPARENT

Nepheline Syenite	33.00	NOTE:
Whiting	20.00	
Silica Flint	32.00	
Kaolin	15.00	
	100.00	

CL#16 NELSON'S TRANSPARENT II

Feldspar	77.00	NOTE: A porcelain glaze
Dolomite	15.00	
Whiting	8.00	
* add	100.00	
Bentonite 2%		

CL#17 CLEAR GLOSS

Feldspar	40.00	NOTE:
Nepheline Syenite	35.00	
Talc	15.00	
Kentucky Ball Clay	5.00	
Spodumene	5.00	
	100.00	

CL#18 TRANSPARENT GRAY MATT

Nepheline Syenite	36.70	NOTE:
Dolomite	15.20	
Whiting	8.10	
Kaolin	22.50	
Silica Flint	12.50	
Opax	3.00	
Zinc Oxide	2.00	
	100.00	

CL#19 CLEAR HT-S1

Feldspar	27.30	NOTE: clear glossy
Ball Clay	20.00	
Whiting	19.60	
Silica Flint	33.10	
	100.00	

GENERAL NOTES:

* See mixing instructions on page 1

CL#20 G384 AUTUMN

Feldspar	226.00	NOTE: Transparent
Ball Clay	26.00	1 coat: transparent
Whiting	25.00	2 coats: transparent
Silica Flint	23.00	light green
	100.00	

CL#21 LEACH'S CLEAR GLAZE *

Whiting	20.00	NOTE: Cone 8-10
Feldspar	20.00	reduction. Can add
Nepheline Syenite	20.00	Red Iron Oxide 1% to 4%
Kaolin	10.00	for green.
Silica Flint	30.00	
	100.00	

CL#22 AMY'S GRAY GLAZE

Barium Carbonate	10.43	NOTE: Nice cover white
Dolomite	15.57	slip
Cornwall Stone	39.59	
Kaolin	21.74	
Flint	12.67	
Add: Tin Oxide 3.25%	100.00	
Black Nickel Oxide 1.0%		

CL#23 NO NAME GLAZE

Dolomite	15.00	NOTE: One coat is trans-
Whiting	5.00	parent; two coats are
Cornwall Stone	63.00	opaque. Glaze has slight
Ball Clay	10.00	green color to it.
Flint	7.00	
	100.00	
Add: Tin Oxide 7.0%		
Cobalt Carbonate .25%		
Copper Carbonate 2.00%		
Rutile	7.00%	

Hensley Clear	
Kona F-4 Feldspar	45.4%
Gerstley Borate	14.8
Barium Carbonate	5.7
Whiting	9.6
Silica	9.8
Grolleg Kaolin	11.3
Tin Oxide	1.1
Ferro Frit 3110	2.3
TOTAL	100.0%

Matt Glaze (Cone 9-10, reduction)	
Dolomite	16%
Whiting	6
Feldspar	35
English Clay China	9
Flint	34
	100%

C Glaze (Cone 10, reduction)	
Barium Carbonate	8.97%
Whiting	3.85
Kingman Feldspar	69.02
Tennessee Ball Clay #1	9.61
Flint	8.55
	100.00%
Add: Zinc Oxide	4.92%
Bentonite	1.00%

with glazes. Spit Out Glaze (Cone 10, reduction)	
Dolomite	16.05%
Whiting	8.72
Nepheline Syenite	37.79
Ball Clay	2.33
Edgar Plastic Kaolin	21.74
Flint	13.37
	100.00%
Add: Opax	4.62%
Bentonite	1.00%

M Glaze (Cone 10, reduction)	
Colemanite	6.27%
Dolomite	5.60
Talc	15.03
Nepheline Syenite	50.93
Edgar Plastic Kaolin	3.92
Flint	18.25
	100.00%
Add: Bentonite	1.00%

△10 MASHIKO GLAZE #1	
Ball Clay	11.5%
Flint	27.0
Iron Oxide	6.4
Kaolin	11.3
Soda Spar	31.4
Talc	5.2
Titanium	.5
Wollastonite	6.5
Manganese	.2

△10 MASHIKO GLAZE #2	
Ball Clay	11.5 grams*
Flint	27.0
Iron Oxide	6.4
EPK	11.3
Soda Feldspar	31.4
Talc	5.2
Titanium	.5
Wollastonite	6.5
Lithium Carbonate	5.0
Magnesium Carbonate	5.0

Crackle Glaze (Cone 10, reduction)	
Whiting	6.48%
G-200 Feldspar	13.44
Soda Feldspar	74.72
Edgar Plastic Kaolin	5.36
	100.00%
Add: Bentonite	1.50%

Semimatt Glaze (Cone 8-10, reduction)	
Colemanite	11.49%
Dolomite	7.32
Talc	14.03
G-200 Feldspar	40.88
Tennessee Ball Clay #5	7.22
Flint	19.06
	100.00%

Chun Colorless c/10 Reduction

Raw Materials	Batch Recipe	Percentage
Feldspar	1440 gr.	42.6%
Kaolin	50	1.48%
Flint	900	26.63%
Whiting	90	2.66%
Gerstley Borate (Colemanite)	300	8.87%
Dolomite	300	8.88%
Zinc Oxide	60	1.78%
Barium Carbonate	150	4.44%
Tin Oxide	90	2.66%
	3380 gr.	100.00%

For Color Add:

Opaque White	Ultrox, or Opaz, or Zircopax	10%
Celdon	Red Iron Oxide	2%
Dark Celdon	Red Iron Oxide	4%
Brown	Red Iron Oxide	6%
Blue	Red Iron Oxide	1%
	or Blue G.S. #62 (or 25% of 62)	2%
Copper Red	Copper Carbonate	.5%
Colemanite Green	Chromium Oxide	.834%
	Gerstley Borate (Colemanite)	20%
Flambe	Copper Carbonate	.5%
	Whiting	20%
Mottled Blue	Rutile	5.67%
	Copper Carbonate	.57%
Transparent Blue	Red Iron Oxide	2% - 1%
	Cobalt Oxide	.84%
Chrome Green	Chromium Oxide	.84%
DK BLUE		

Clear Glaze (Cone 10, oxidation or reduction)	
Barium Carbonate	2.70%
Whiting	13.7%
Zinc	2.21
Feldspar	57.51
Flint	23.80
	100.00%

Jack Doherty: soft, satiny glaze (Cone 10 reduction)	
Talc	23
Nepheline syenite	20
China clay	23
Whiting	13
Flint	2

Cone 10 Spodumine Glazes

S 21 Spodumine

Spodumine	142.7
Barium	19.7
Whiting	73.5
Kaolin	23.2
Flint	139.2

Mills Spodumine

Feldspar	224.4
Spodumine	148.8
Whiting	40.0
Zinc Oxide	58.8
Flint	104.4

S 23 Spodumine

Spodumine	214.0
Whiting	75.0
Clay	17.5
Flint	94.5

Base Celadon Glaze (Cone 10, reduction)

Whiting	800 grams
Custer Feldspar	1600
Kaolin	400
Flint	1200
	4000 grams

Peter M's Glossy base cone 9/10 red

Custer	50
Whiting	10
Talc	10
Dolomite	10
EPK	10
Flint	10

Clear cone 10

EPK	2400gr
Whiting	4800gr
Silica	8400gr
Custer Feldspar	8400gr
Barium Carbonate	1200gr
Bentonite	2gr

Shaner's Clear (Cone 9-10, reduction or oxidation)

Dolomite	5.1%
Whiting	16.3
Potash Feldspar (Kingman or Custer)	31.0
Bentonite	2.9
Kaolin	13.7
Flint	31.0
	100.0%

S 22 Spodumine

Spodumine	86.34
Dolomite	55.2
Whiting	9.7
Kaolin	8.4
Flint	69.9

Spodumine E

Spodumine	148.8
Feldspar	113.6
Dolomite	73.6
Whiting	40.0
Zinc	16.2
Clay	51.6
Flint	216.0
Rutile	33.0

Steve Mc's Glossy Base cone 9/10 red/

NC 4	35
Whiting	14
Wollastonite	9
Zinc ox	11
EPK	5
Flint	26

BONE ASH cone 9-10

Kona F-4 Feldspar	40
Dolomite	30
E.P.K.	25
Bone Ash	5
Bentonite	25

K-1 Transparent Glaze

(Cone 10, oxidation or reduction)

Whiting	20%
Custer Feldspar	35
Kaolin	15
Flint	30

Scripps Transparent

Cone 9-10

soda feldspar	462
whiting	174
zinc oxide	23
kaolin	109
flint	232
	1000

Eustice Clear c/10 Reduction

Feldspar	302
Dolomite	171
Whiting	70
Kaolin	292
Flint	165

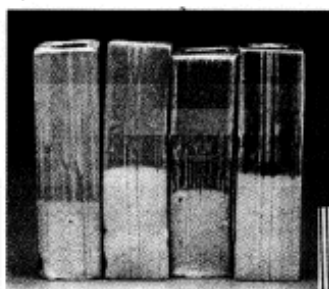
18.54
23.36
22.95
35.17

Kaul's Clear c/10 Reduction

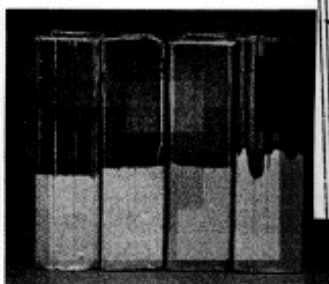
Dolomite
Nepheline Syenite
Kaolin
Flint

Pete's CIA (Charlie Ian Anderson)
Cone 10 reduction

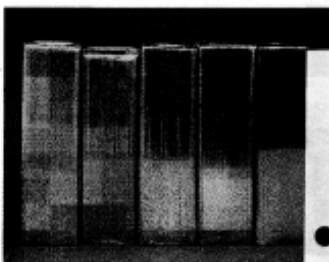
Ferro Frit 3134	7.0%
Spodumene	15.0
Nepheline Syenite	10.0
Synthetic Bone Ash	11.0
Talc	20.0
EPK	13.0
Silica	24.0
TOTAL	100.0%



Pete's CIA on porcelain, with manganese dioxide added at 3%, 5%, 7%, 9% (shown left to right).



Pete's CIA on porcelain, with red iron oxide added at 7%, 9%, 11%, 13% (shown left to right).



Pete's CIA on porcelain, with copper carbonate added at 1%, 3%, 5%, 7%, 9% (left to right).

DAVID SHANER CLEAR

F-4 SPAR	1595
WHITING	840
DOLOMITE	260
KAOLIN	705
FLINT	1545
ZINC OXIDE	250

CLEAR (JOHN GILL)

WHITING	19.2
SILICA	32.3
EPK	19.6
F-4 SPAR	27.0
ZINC OXIDE	1.9

University of Maryland Cornwall Stone Glaze
(Cone 9-10, reduction)

Dolomite	4.50%
Whiting	10.91
Zinc Oxide	1.50
Cornwall Stone	40.64
Edgar Plastic Kaolin (calcined)	15.72
Flint	26.73
TOTAL	100.0%

TAN DOLOMITE - SHANER cone 9-10

Dolomite	31
Custer Feldspar	24
Cornwall Stone	8
Kaolin	25
Whiting	5
Silica	7
Bentonite	2%

John Gill's Clear cone 10

Whiting	19.2
Flint	32.3
EPK	19.6
Kona F-4	27
Zinc ox.	1.9

Base Glaze 1
(Cone 4-6)

Whiting	14.9
Custer Feldspar	24
F-38 Frit (Fusion)	33
Ball Clay	10
Flint	19
TOTAL	100.0%

For white, add 10% Zircopax.

Base Glaze 1
(Cone 9-10, reduction)

Whiting	19.6%
Custer Feldspar	27.5
Edgar Plastic Kaolin	20.0
Flint	32.9
TOTAL	100.0%

Base Glaze 2
(Cone 9-10, reduction)

Whiting	20%
Custer Feldspar	35
Edgar Plastic Kaolin	15
Flint	30

307 Transparent
1260°C (2300°F)

Barium Carbonate	30%
Petalite	60
Kaolin	7
Silica (Flint)	3
TOTAL	100%
Add: Bentonite	1%

727 Matt
1260°C (2300°F)

Talc	12%
Whiting	23
Feldspar	23
Kaolin	32
Silica (Flint)	10
TOTAL	100%
Add: Bentonite	1%

Clear Glaze
(Cone 10, reduction)

Barium Carbonate	2.0%
Whiting	18.2
Custer Feldspar	22.2
Kona F-4 Feldspar	9.1
Edgar Plastic Kaolin	16.2
Flint	32.3
TOTAL	100.0%
Add: Bentonite	2.0%

An addition of 2%-4% Mason Stain 6900 produces celadon blue.

Base Glaze

(Cone 9-11, oxidation or reduction)	
Colemanite (Gerstley Borate)	5.3%
Talc	6.3
Whiting	7.4
Nepheline Syenite	26.3
Ball Clay	22.1
Kaolin	21.0
Flint	11.6
TOTAL	100.0%

Add: Bentonite 5.3%

Several color variations are possible with the following additions:

10.5% Titanium Dioxide	Mother-of-Pearl
2.1% Cobalt Carbonate,	
10.5% Titanium Dioxide	Green
3.2% Cobalt Carbonate,	
4.2% Rutile	Blue

DOLO
WHIT
FELD
SPOD
EPK

SPODUMENE

15 20 20
31620%
3/4 5
4.5 30.2
3 20
3 1/4 25
100%
6%

ADD: TIN 'OX.

ROSENTHAL CRACKLE

Custer-----425.6
SiO-----90
E.P.K.-----73.3
Cornwall-----60
Whiting-----76
Spodumene-----8.9
Tin-----3.3

JOHNSTON PORCELAIN GLAZE

6.4 lbs. Custer spar ----- 2905.6
2.4 lbs. Whiting ----- 1089.6
2.4 lbs. Talc ----- 1089.6
5.7 lbs. EPK ----- 2587.8
4.4 lbs. Silica ----- 1997.6
.64 lbs. Magnesium carbonate ----- 290.56

Transparent		Opaque		Matte	
feldspar	50 %	feldspar	50 %	feldspar	50 %
silica	25 %	silica	35 %	limestone	15 %
limestone	15 %	limestone	15 %	kaolin	35 %
kaolin	10 %				

Best Base

NC4 - 13.8

EPK 9.7

MSU 325

WHITING

2WC

13.80

11.80

1.80

SECRET

POTASH SPAR 3240
WHITING 780
BARIUM CARBONATE 150
BALL CLAY 360
FLINT 1350
ZINC OXIDE 150
6030

Glaze Name: L. G. Porcelain and Clear
Cone: 9 - 10
Color: Clear Light Green
Testing: Untested
Surface: Shiny or Glossy
Firing Type: Ox. or Red.
Glaze Type:
Date: 7/19/95
Ingredients % Amounts
Custer Feldspar 27.00
OM-4 Ball clay 14.00
Whiting 20.50
Silica 31.50
Kaolin 7.00
Total: 100.00 %

Ron Roy B

Cone 10

used by Cindy Strnad

Custer Feldspar 34.7%
Silica 21.8
Wollastonite 14.9
EPK Kaolin 13.8
Frit 3134 7.9
Talc 6.9

TOTAL: 100.0%

Clear Glaze
(Cone 11, reduction)
Potash Feldspar 44%
Whiting 3
Gersey Borate 18
Zinc Oxide 5
Dolomite 5
Ball Clay 19
Flint 19

K-200(CUSTER) SMR-72
WHITING 10
LITHIUM CARB. 2
FLINT 14
BENTONITE 2
GLOSSY, TRANSPARENT

CUSTER SPAR - 14
DOLOMITE - 10
BARIUM CARB. - 10
WHITING - 32
BALL CLAY - 16
FLINT - 18

* AS IN #2 ABOVE.

CHOY • CLEAR • TRANSPARENT

Material	%	Grams
CUSTER FELDSPAR	50	10,000
WHITING	6	1200
EPK	4	800
BARIUM CARBONATE	12	2400
FLINT	28	5600
Total	100	20,000

Jewel Base Glaze

(Cone 10, reduction)

Whiting 24 %
Potash Feldspar 28
Edgar Plastic Kaolin 20
Flint 28
100 %
Add: Zinc Oxide 3 %

#41

Cone 10

Kingman Spar 1895
Flint 1652.5
Colemanite 720.
Dolomite 460
Kaolin 435
Talc 880

BLUE - 3% Cobalt Oxide
GREEN - 3% Myrtle Green
BLACK - Pemco Black GS

Custer feldspar - 48
Whiting - 30
EPK - 16
Flint - 6

Satin, semi opaqal

2A

POTASH SPAR 2000 gm
 DOLOMITE 900
 BALL CLAY 900
 E.P.K. 200
 4000 gm.

Keiko's Old Fashion Matte Base cone 9/10

Custer.....35
 EPK.....25
 Whiting.....5
 Dolomite.....20
 Lithium carb.....5
 Flint.....10

Worked well with CL2-5 for a matte yellow a
 matte mottled Green.

Will's Pussycat Pink cone 9/10 Ox.

Cornish Stone.....37
 Whiting.....8
 Dolomite.....5
 Gerstly Borate.....13
 EPK.....10
 Flint.....27

Clear Glaze
 (Cone 7-9)

Gerstley Borate.....21%
 Wollastonite.....8
 Nepheline Syenite.....30
 Kentucky Ball Clay (OM 4).....10
 Flint.....31
 100%

Clear Glaze
 (Cone 7-10)

Frit 3124 (Ferro).....60%
 Edgar Plastic Kaolin.....30
 Flint.....10
 100%

Clear Gloss Glaze (Cone 11, reduction)

Barium Carbonate.....3%
 Whiting.....17
 Potash Feldspar.....19
 Kona Feldspar (F-4).....15
 Ball Clay.....15
 Flint.....31

100%

HENSLEY CLEAR cone 9-10

Kona F-4 Feldspar.....40
 Colemanite.....12
 Barium Carbonate.....4
 Whiting.....8
 Silica.....29
 China Clay.....3
 Tin Oxide.....0.8
 Ash.....1.7
 Frit 3110.....1.5
 Bentonite.....3%

CHUN CLEAR

CUSTER FELDSPAR 39.1
 WHITING 17.4
 FLINT 30.4
 GROLLEB KAOLIN 8.7
 GERSTLEY BORATE 4.4

ADD: BONE ASH 1.5
 TIN OXIDE 1.0

DOES - CLEAR

Custer spar - 50
 Whiting - 20
 Bar. Carb. - 16
 EPK - 14
 100

+ yellow ochre - 5
 Rutile : 3
 Bone ash - 2

Spodumene Glaze (Cone 9-10, reduction)

Dolomite.....40%
 G-200 Feldspar.....5
 Spodumene.....5
 Ball Clay (Bell Dark*).....45
 Flint.....5
 100%

Transparent Glaze (Cone 9-10, reduction)

Dolomite.....10%
 G-200 Feldspar.....20
 Spodumene.....20
 Ball Clay (Bell Dark).....30
 Flint.....20
 100%

Firing Type: reduction
 Glaze Type: EVA'S
 Date: 7/19/95
 Ingredients: CLEAR Amounts
 Kingman Feldspar 27.45
 Kentucky Ball Clay 20.10
 Whiting 19.61
 Silica 32.84
 Total: 100.00

CUSTER FELDSPAR - 45
 WHITING - 17
 FLINT - 27
 GROLLEG - 11
 Glossy, transparent.

KONA F/4 feldspar - 50
 Flint - 20
 EPK - 2
 MAGNESIUM CARB. - 10
 WHITING - 8
 Bone Ash - 10
 Glossy, semi opaque.

Custer feldspar - 41
 Wallastonite - 22
 Dolomite - 4
 Grolleg - 13
 Flint - 19
 Bone ash - 1
 Glossy, semi trans.

Custer Feldspar - 40
 Dolomite - 10
 Talc - 8
 Calcined Kaolin - 10
 EPK - 10
 Bentonite - 2
 Flint - 12
 Whiting - 8

W.S.M. Satin mat
 Custer Spar - 38
 Dolomite - 20
 EPK - 22
 Flint - 15
 Gerstley Borate - 2
 Whiting - 3

R.M.R. Satin

Balls Lithium Carbonate #1

Neph. Syenite 1680 grams
 Barium Carbonate 1257 grams
 Ball Clay 42 grams
 Lith. Carbonate 21 grams
 3000 grams

Balls Lithium Carbonate #2

Neph. Syenite 59 127
 Barium Carbonate 27 81
 Kaolin 6.3 18
 Silica 7.3 21
 Lith. Carbonate .5 1
 100.1 300

For colors use 3000 grams

<u>Pink</u>	Copper Carbonate	30 grams
<u>Blue</u>	Cobalt Oxide	15 grams
<u>Violet</u>	Magnesium Dioxide	120 grams
<u>Orange-Brown</u>	Rutile	150 grams
	Red Iron Oxide	60 grams
<u>Tan & Blue</u>	Rutile	150 grams
<u>Mottled</u>	Cobalt Carb.	7 1/2 grams

Rob's Clear Glaze (Cone 7-10)

Whiting 15%
 Frit 3195 (Ferro) 20
 Kona Feldspar 40
 Edgar Plastic Kaolin 10
 Flint 15
 100%
 Add: Bentonite 1.5%

Works well with chrome-tin pink and red stains.

7-A Clear Glaze (Cone 7-10)

Gerstley Borate 9.71%
 Whiting 12.62
 Frit 3195 (Ferro) 14.56
 Kona Feldspar 38.84
 Edgar Plastic Kaolin 9.71
 Flint 14.56
 100.00%

Alec's Base

(revised from 1993; in parts by weight)

Kona F-4 Feldspar 11
 Nepheline Syenite 21
 EPK 10
 Gerstley Borate 12
 Silica 40
 Whiting 4
 Wollastonite 8
 Frit 3124 6

Colorant combinations:

- Black Stain 8 and Barnard Clay 2
- Red Stain 8-10 and Red Iron 2
- Orange Stain 8-10 and Rutile 2
- Yellow Stain 8-10 and Rutile 2-6
- Copper Carbonate 2-6
- Cobalt Oxide 2-12
- Manganese Dioxide 2-6
- Red Iron Oxide 2 and Rutile 4

<u>Dark Turquoise</u>	Copper Carbonate	90 grams
<u>Mustard</u>	Red Iron Oxide	150 grams
<u>Tan</u>	Rutile	300 grams
<u>Green</u>	Copper Carbonate	45 grams
	Red Iron Oxide	60 grams

White Porcelain Slip Glaze

(Cone 9-11, oxidation or reduction)
 Borax 1.7%
 Whiting 1.7
 Custer Feldspar 34.5
 Ball Clay 20.1
 Edgar Plastic Kaolin 20.1
 Flint 21.9
 100.0%
 Add: Zircopax 11.5%
 Bentonite 3.4%

C/10 Glazes

Nelson's Talc White

5.5	Kaolin	180	grams
37.3	Flint	1230	grams
23.6	Neph-Seyenite	780	grams
10.	Barium Carbonate	330	grams
3.6	Zinc Oxide	120	grams
4.5	Dolomite	150	grams
6.4	Whiting	210	grams
9	Talc	300	grams
99.9		3300	grams

F8020 Glaze (Cone 11, reduction)

Dolomite	22.44%
Whiting	3.50
G-200 Feldspar	48.94
Kaoloid	25.12
	100.00%

BASE TRANS.

NC-4	36.36
WHITING	20.45
EPK	11.36
NICK'S SILICA	31.82

Shusterman Clear Glaze (Cone 10-11)	20%
Whiting	38
Custer Feldspar	10
Edgar Plastic Kaolin	32
Flint (325 mesh)	100%

White

No addition of color.

For colors use 3000 grams of prepared glaze and the following:

<u>Blue-Grey</u>	Copper Carbonate	60	grams
	Chrome	45	grams
<u>Bright Turquoise</u>	Chrome	45	grams
	Blk. Cobalt Oxide	7 1/2	grams
<u>Light Green-Blue</u>	Nickel	60	grams
	Chrome	45	grams
<u>Light Drab-Green</u>	Nickel	60	grams
<u>Rich Red-Brown</u>	Chrome	45	grams
	Red Iron Oxide	75	grams
<u>Dk Blue W/ Blue & Green</u>	Red Iron Oxide	75	grams
	Rutile	150	grams
<u>Med. Blue W/ Dk. Blue & Violet</u>	Rutile	150	grams
	Magnetite	30	grams
<u>Grey-Black W/ Specks</u>	Magnetite	30	grams

Clear Glaze (Cone 10)	9%
Whiting	7
Zinc Oxide	79
Cornwall Stone	5
Edgar Plastic Kaolin	100%

Transparent 1-2-3-4 Glaze (Cone 9-10)	20%
Whiting	40
NC 4 Feldspar	10
Tennessee Ball Clay (10)	30
Flint (325 mesh)	100%

Clear Glaze

(Cone 10, oxidation or reduction)

Bone Ash	4.5%
Talc	8.0
Wollastonite	15.0
Petalite	47.0
Kaolin	19.0
Flint	6.5

Crackle Glaze

(Cone 10, reduction)

Whiting	6.48%
G-200 Feldspar	13.44
Soda Feldspar	74.72
Edgar Plastic Kaolin	5.36
	100.00%
Add: Bentonite	1.50%

Satin Matt Glaze

(Cone 10, reduction)

Dolomite	600	grams
Whiting	90	
Custer Feldspar	1100	
Kaolin	700	
Flint	540	
	3030	grams

Base Glaze

(Cone 10)

Whiting	19.6%
Custer Feldspar	27.5
Edgar Plastic Kaolin	20.0
Flint	32.9
	100.0%

Semimatt Glaze

(Cone 8-10, reduction)

Colemanite	11.49%
Dolomite	7.32
Talc	14.03
G-200 Feldspar	40.88
Tennessee Ball Clay #5	7.22
Flint	19.06

NEFF E

G-200	44.00
WHITING	15.00
EPK	13.00
NICK'S SILICA	28.00

Hamada Base*

(revision #2; in parts by weight)

Custer Feldspar	53
Kona F-4 Feldspar	8
Ball Clay	2
Frit 3124	0-15
Whiting	9
Barium Carbonate	16
Zinc Oxide	9

Colorant combinations: Copper
Carbonate 2-8, Cobalt Oxide 1/4-2,
Tin Oxide 4-10, Red Iron Oxide 2-4,
Manganese Dioxide 2-6, Gray Stain
2-8, Black Stain 2-6.

Recalculated Glaze (Cone 10)

Gerstley Borate	14%
Wollastonite	10
Potash Feldspar (G-200 or Custer)	16
Edgar Plastic Kaolin	6
Plastic Vitrox	45
Flint	9
	100%

Clear Glaze

(Cone 10, oxidation or reduction)

Barium Carbonate	2.70%
Whiting	13.78
Zinc	2.21
Feldspar	57.51
Flint	23.80
	100.00%

Cornwall Clear: Cone 10

Cornwall stone	70%
Gerstley borate	20
Flint	10

Forge Pottery Stony Matt Glaze (Cone 10, reduction)

Whiting	20%
Feldspar	40
Kaolin	10
Flint	30
	100%

Kurt Wild's Clear (Cone 10-11)

Dolomite	2.44
Whiting	15.85
Kona F-4 Feldspar	37.80
Edgar Plastic Kaolin	7.32
Grolleg Kaolin	6.10
Flint	30.49
	100.00%

Clear Glaze (Cone 10-11)

Whiting	20%
Custer Feldspar	38
Edgar Plastic Kaolin	10
Flint (325 mesh)	32
	100%
Add: Bentonite	2%

C Glaze

(Cone 10, reduction)

Barium Carbonate	8.97%
Whiting	3.85
Kingman Feldspar	69.02
Tennessee Ball Clay #1	9.61
Flint	8.55
	100.00%
Add: Zinc Oxide	4.92%
Add: Bentonite	1.00%

Turner's Beauty Glaze (Cone 9-10, reduction)

Dolomite	22%
Spodumene	20
Tin Oxide	6
Whiting	2
G-200 Potash Feldspar	30
Edgar Plastic Kaolin	20
	100%

Clear Glaze (Cone 10, reduction)

Whiting	25%
G-200 Feldspar	25
Edgar Plastic Kaolin	18
Flint	32
	100%
Add: Tin Oxide	1%
For celadon, add 2% red iron oxide.	

Rhodes' 32 Base Glaze (Cone 9-10, reduction)

Dolomite	22.4 parts
Whiting	3.5
Feldspar	48.9
China Clay	25.1
	99.9 parts

A high-alumina, stony, smooth matt; very

300 Transparent 1260°C (2300°F)

Whiting	23%
Feldspar (Potassium)	14
Kaolin	20
Silica (Flint)	43
	100%
Add: Bentonite	1%

Duckworth Clear c/10 Red

Feldspar	330
Whiting	200
Kaolin	150
Flint	320
Bentonite	5

135 Matt

1260°C (2300°F)

Barium Carbonate	20%
Feldspar (Potassium)	38
Nepheline Syenite	40
Kaolin	2
	100%
Add: Bentonite	1%

M Glaze (Cone 10, reduction)

Colemanite	6.27%
Dolomite	5.60
Talc	15.03
Nepheline Syenite	50.93
Edgar Plastic Kaolin	3.92
Flint	18.25
	100.00%
Add: Bentonite	1.00%

Shaner Clear Glaze

(Cone 9-10, oxidation or reduction)

Dolomite	5.1%
Whiting	16.3
Potash Feldspar (Norfloat)	31.0
Bentonite	2.9
Edgar Plastic Kaolin	13.7
Flint	31.0
	100.0%

Tin Clear Glaze

(Cone 10, reduction)

Gerstley Borate	3.85%
Whiting	21.15
Potash Feldspar	24.04
Kaolin	17.31
Amorphous Silica	9.61
Flint	24.04
	100.00%
Add: Tin Oxide	0.96%
Zinc Oxide	1.92%

Date: 7/19/95

Ingredients	Amounts
Silica	32.00
Whiting	20.00
G-200 Feldspar	33.00
EPK	15.00
Total:	100.00%

Date: 7/19/95

Ingredients	Amounts
Kona Feldspar	36.36
Whiting	20.45
EPK	11.36
Silica	31.82
Total:	100.00%

#34

Feldspar	120
Whiting	60
Cornish Stone	60
Zinc	6
Kaolin	60

Cone 1

Satin Matt Glaze (Cone 10, reduction)	
Colemanite	11.91%
Dolomite	7.61
Kingman Feldspar	31.35
Talc	14.55
Kaolin	7.20
Flint	27.38
	100.00%

Cone 10 Clear

Calcite (Calcium Carbonate)	19%
Talc	7
Potash feldspar	15
Ball clay	29
Silica (flint)	31
	101%

Clear Glaze

(Cone 10, reduction)

Dolomite	17.1%
Whiting	2.6
Custer Feldspar	35.3
Bentonite	2.0
Kaolin	22.8
Flint	20.2
	100.0%

C/10 Glazes

Velvet Matt

Nepheline Syanite	50	1500 grams
Kaoline	19	570 gr.
Flint	10	300 gr. Do not use the ready mix.
Whiting	21	630 gr. Prepare the glaze from #scratch."
		3000 grams

White (Crackled) No addition of color.

For colors use 3000 grams of prepared glaze and the following:

<u>Mottled Black</u>	Magnetite	60 grams	
<u>Mottled Tan</u>	Magnetite	30 gr.	
	Copper Carbon	60 gr.	
<u>Cork</u>	Rutile	150 gr.	
	Nickel Oxide	60 gr.	
<u>Mottled Grey-Rust</u>	Magnetite	30 gr.	
	Red Iron Oxide	7½ gr.	
<u>Buff</u>	Rutile	150 gr.	
	Chrome Oxide	45 gr.	
<u>Mottled Green</u>	Magnetite	30 gr.	
	Chrome Oxide	45 gr.	
<u>Forrest Green</u>	Chrome Oxide	90 gr.	
<u>Tan Flecked Orange</u>	Magnetite	30 gr.	1 quart 4.2
	Rutile	150 gr.	21.3
<u>Peaches & Cream</u>	Rutile	300 gr.	

Add approximately 2 quarts of water . . . Mix thoroughly with hands . . . then strain twice through 20 mesh screen.

This will make approximately one gallon of glaze.

Δ 10 Reduction Glazes

- | | | | |
|-----|-----------------------|-----|-----------------------|
| 12. | 41g Nepheline Syenite | 17. | 44g Custer Feldspar |
| | 14g Whiting | | 2g EPK |
| | 5g Zinc | | 27g Silica |
| | 4g Talc | | 3g Whiting |
| | 9g EPK | | 14g Colemanite |
| | 27g Silica | | 8g Dolomite |
| | | | 2g Zinc |
| 13. | 13g Frit 3134 | 18. | 13g Frit 3110 |
| | 34g Cornwall Stone | | 62g Nepheline Syenite |
| | 15g Whiting | | 5g Soda Ash |
| | 5g EPK | | 5g Zinc |
| | 33g Silica | | 6g Lithium |
| | | | 2g EPK |
| 14. | 43g Custer Feldspar | | 7g Silica |
| | 3g Whiting | 19. | 12g Frit 3124 |
| | 9g Colemanite | | 40g Custer Feldspar |
| | 9g Dolomite | | 5g EPK |
| | 2g Zinc | | 10g Colemanite |
| | 5g Barium | | 4g Whiting |
| | 2g EPK | | 2g Barium |
| | 27g Silica | | 26g Silica |
| 15. | 78g Custer Feldspar | 20. | 48g Nepheline Syenite |
| | 12.4g Whiting | | 11g Spodumene |
| | 8g Colemanite | | 5g Dolomite |
| | 1g Tin Oxide | | 1g Flourspar |
| | .3g Copper | | 3g Whiting |
| | .3g Iron | | 1g Zinc |
| | +1% Macaloid | | 6g EPK |
| 16. | 45g Custer Feldspar | | 25g Silica |
| | 11g Whiting | | |
| | 2g Zinc | | |
| | 7g Borax | | |
| | 2g Soda Ash | | |
| | 3g EPK | | |
| | 26g Silica | | |

S73 100 base OX	S74 100 base R	S75 100 base + 2 cobalt carbonate 10 zinc oxide OX	S76 100 base + 1 copper carbonate 6 frit 4113 R	S77 100 base + 1 copper carbonate 6 frit 4113 OX	S78 100 base + 1 copper carb OX
S79 100 base + 1 iron oxide 10 rutile OX	S80 100 base + 2 cobalt carbonate 10 rutile OX	S81 100 base + 3 copper carbonate 10 zinc oxide OX	S82 100 base + 2 cobalt carbonate OX	S83 100 base + 6 iron oxide OX	S84 100 base + 3 iron oxide 8 titanium dioxide OX
S85 100 base + 4 nickel oxide R	S86 100 base + 12 frit 4113 R	S87 100 base + 2 cobalt carbonate 2 potassium dichromate OX	S88 100 base + 10 zinc oxide OX	S89 100 base + 2 nickel oxide 6 frit 4113 R	S90 100 base + 0.5 cobalt carbonate 3 nickel oxide R
S91 100 base + 6 copper carbonate R	S92 100 base + 1 iron oxide 10 rutile R	S93 100 base + 1 cobalt carbonate R	S94 100 base + 2 cobalt carbonate 1 iron oxide R	S95 100 base + 4 copper carbonate OX	S96 100 base + 2 potassium dichromate 10 rutile OX
S97 100 base + 4 cobalt carbonate R	S98 100 base + 2 cobalt carbonate 2 potassium dichromate R	S99 100 base + 1 copper carbonate 2 nickel oxide OX	S100 100 base + 10 zinc oxide R	S101 100 base + 20 rutile OX	S102 100 base + 2 iron oxide 2 nickel oxide OX
S103 100 base + 2 copper carbonate 2 cobalt carbonate R	S104 100 base + 2 potassium dichromate R	S105 100 base + 2 iron oxide 6 frit 4113 R	S106 100 base + 2 potassium dichromate 10 zinc oxide OX	S107 100 base + 3 copper carbonate 0.5 cobalt carbonate OX	S108 100 base + 10 rutile OX

Note: OX = oxidised; R = reduced.

Fig. 38 Stoneware glazes developed from base glaze E (nepheline syenite 60, whiting 18, talc 14, kaolin 18) and colour blends

S109 100 base OX	S110 100 base R	S111 100 base + 3 copper carbonate 10 zinc oxide OX	S112 100 base + 6 iron oxide OX	S113 100 base + 10 zinc oxide 10 rutile OX	S114 100 base + 5 iron oxide 12 talc OX
S115 100 base + 12 iron oxide 7 bone ash OX	S116 100 base + 3 copper carbonate OX	S117 100 base + 13 iron oxide OX	S118 100 base + 1 iron oxide 7 bone ash R	S119 100 base + 8 iron oxide R	S120 100 base + 2 cobalt carbonate 10 zinc oxide R
S121 100 base + 0.5 copper carbonate 4 tin oxide R	S122 100 base + 0.5 copper carbonate 4 tin oxide OX	S123 100 base + 4 potassium dichromate OX	S124 100 base + 0.5 cobalt carbonate R	S125 100 base + 0.5 cobalt carbonate 8 titanium dioxide OX	S126 100 base + 12 iron oxide 5 rutile OX
S127 100 base + 3 iron oxide 4 nickel oxide R	S128 100 base + 12 iron oxide 7 bone ash R	S129 100 base + 2 copper carbonate OX	S130 100 base + 25 iron oxide R	S131 100 base + 4 cobalt carbonate R	S132 100 base + 7 bone ash R
S133 100 base + 5 copper carbonate 0.5 cobalt carbonate OX	S134 100 base + 3 copper carbonate 0.5 cobalt carbonate R	S135 100 base + 4 nickel oxide 8 titanium dioxide R	S136 100 base + 5 barium carbonate 5 frit 4110 1 iron oxide 3 tin oxide R	S137 100 base + 10 copper carbonate R	S138 100 base + 5 iron oxide 7 bone ash R
S139 100 base + 5 frit 3110 1 iron oxide 7 tin oxide OX	S140 100 base + 0.5 copper carbonate 5 frit 4110 1 iron oxide 3 tin oxide R	S141 100 base + 0.5 copper carbonate 5 barium carbonate OX	S142 100 base + 18 iron oxide R	S143 100 base + 4 nickel oxide 8 titanium dioxide OX	S144 100 base + 2 cobalt carbonate 2 potassium dichromate OX

Note: OX = oxidised; R = reduced.

Fig. 39 Stoneware glazes developed from base glaze D (potash feldspar 63, whiting 6, talc 10, bone ash 6, silica 10, kaolin 5) and colour blends