

Alec Karros  
Cone 6 Glazes

Cone 6-Gloss Base

F/4 Spar-11  
Neph Sy-21  
Ger. Borate-10  
Whiting-4  
Wollastonite-8  
Barium-12  
EPK-10  
Silica-35

A smooth, transparent glaze,  
Some crazing, Has been altered by  
the addition of 15 grams of silica.  
Substituting Spodumene for the F/4  
also reduces crazing,

Additions

- # 1 - Rose  
7% Peach  
1% R. Iron Ox  
1% Tin
- # 2 - Lgt Green  
7% Bermuda Green  
1% Rutile  
1% Tin
- # 3 - Warm Chartreuse  
7% Chartreuse  
1% Yellow Iron  
1/4% Green Stain
- # 4 - Water Blue  
2% Copper Carb  
1/2% Cobalt Carb  
1% Tin
- # 5 - Black  
10% Chrome Free Black  
2% Barnard Slip Clay

Cone 6-McDermott Clear

Gerstley Borate-50  
Custer Spar-20  
EPK-17.5  
Silica-32.5

Smooth, opalescent, non-crazing glaze.  
May develop Bluey irradescence  
when thick.

Additions

- #1-Flourescent Yellow  
6% Praes. Yellow
- #2-Grey  
6% Peach  
4% Alpine Rose  
1% Rutile
- #3 Green  
6% Chartreuse  
2% French Green

Alec Karros

Cone 6 Ash Base

Add 50% Ash to Gloss Base

Additions

- # 1 - 8% Peach Stain  
1% Rutile
- # 2 - 7% Victoria Green  
1% Rutile
- # 3 - 6% Deep Orchid  
2% Manganese Carb
- # 4 4% Yellow Ochre  
4% Chartreuse

Cone 6 Satin Black

Barnard Slip Clay- 95  
Cobalt Oxide-5

Cone 6 Porcelain

Grolleg-40  
Six Tile-15  
Neph Sy-23  
Flint-22  
Bentonite-3

A plastic, white firing porcelain. Will slump above cone 7.  
Mix wet. Adding a 1/2 cup of vinegar during mixing will speed aging.

#158 Cone 6

Neph Sy- 20

Dolomite- 15

Whiting- 3

Zinc- 3

Lepidolite- 8

EPK- 10

Flint- 25

#2-Forbes Cone 6

Flint- 25

EPK- 5

Custer Spar- 30

Ger. Borate- 30

#29 Cone 6

EPK- 13

Custer- 41

Whiting- 15

Ger. Borate- 8

Strontium- 14

#9A Cone 6

Flint- 10

Custer- 20

Spodumene- 25

EPK- 15

Whiting- 10

Dolomite- 20

Wollastonite Clear Cone 6

Neph Sy- 30

Ger. Borate- 21

EPK- 10

Wollastonite- 8

Flint- 31

Nelson Ash Cone 6

Ash- 38

C-6 Spar- 20

Whiting- 20

Talc- 13

Epk- 9

RS Matte Cone 6

Neph Sy- 60

Strontium- 22

Lithium- 5

Ball Clay- 8

Flint- 5

Bates' Gloss Cone 6

F-4 Spar- 35

Ger. Borate- 23

Whiting- 8

Strontium- 8

EPK- 8

Flint- 18

R-1000 Cone 6

Neph Sy- 38.7

Wollastonite- 15.2

Strontium- 15.2

Ger. Borate- 10.2

EPK- 10.2

Flint- 10.5

#16-Bone Cone 6

Flint- 20

Spodumene- 50

EPK- 15

Whiting- 17.5

Dolomite- 15

Frit 3124- 7.5

CONE 6 BASES - - - - - NARROS

Vasky's Satin Cone 6

Whiting- 10  
Talc- 2.1  
Strontium- 11  
Zinc- 4.5  
F-4 Spar- 42  
EPK- 8.3  
Tenn. Ball- 8  
Flint- 14

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Chun Base Cone 6

Ger. Borate- 15  
Fritt 3110- 25  
Neph sy- 20  
Whiting- 5  
Zinc- 5  
EPK- 15  
Flint- 15

Dragon Base Cone 6

K-200 Spar- 44  
Cornwall Stone- 22  
Whiting- 18  
EPK- 5  
Zinc- 8  
Titanium Ox- 4

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Cornwall Stone Base Cone 6

Cornwall St.- 50  
Flint- 15  
Neph Sy- 20  
Whiting- 15

Soda Base Cone 6

Fritt 3110- 43.4  
Strontium- 6.5  
Lithium- 4.4  
EPK- 13  
Flint- 29.6  
Bent- 3

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Ying Ching Cone 6

Fritt 3110- 20  
Zinc- 20  
Whiting- 20  
Flint- 36  
Bentonite- 4

1/ c5-9  
Clear Glossy  
50 Frit 3134  
30 Kaolin  
20 Silica

Glossy White- 3 Tin Ox.  
6 Zirco Pax  
Yellow- 7 Rutile

2 c/6  
Base Glaze  
29 Feldspar  
22.2 Silica  
22.2 Whiting  
14.8 Ball Clay  
7.4 Zinc Ox.  
3.7 Tin Ox.

Light Grey .75 Iron Ox.  
.08 Cobalt Ox  
.15 Mang Diox.

3/ C/5  
White  
50 Neph Sy  
19 Whiting  
2 Zinc Ox  
9 Kaolin  
17 Flint  
Grey- 2% Red Iron Ox.  
Brown-4% Red Iron Ox

4/ C/5  
Metalic Black  
4 Kaolin  
71 Feldspar  
5 Whiting  
9 Gerstly Borate  
4 Copper Carb.  
4 Manganese Diox.  
2 Cobalt Carb.

5/ C/6  
Variegated Blue  
23 Frit 3498  
36.5 Feldspar  
6.5 Zinc Ox.  
11 Whiting  
8.5 Ball Clay  
11 Silica  
1 Cobalt  
3.2 Iron Ox.  
3.2 Rutile  
4 Tin Ox.

6/ C/ 5-6  
White Glaze RISD  
7 Gerstly Borate  
3 Talc  
7 Whiting  
48 Kona Feldspar  
9 EPK  
21 Flint  
5 Zinc Ox.  
10 Zirco Pax

7/ C/5-6  
Woo Yellow  
46 Frit 3247  
23. Neph Syu.  
14 Dolomite  
15 Zinc Ox.  
1 Whiting  
3 Gerstley Borate  
3 Red Iron Ox.

8/ C/5-6  
Shiny Black RISD  
50 Albany Slip  
30 Neph Sy  
~~46 Frit 3247~~ 5 BARIUM CARB  
5 Gerstly Borate  
~~5 Flint~~ 10 FLINT  
4 Cobalt Carb.  
3 Manganese Dioxide  
2 Red Iron Ox.  
2 Bentonite

7 Whiting  
48 Kona Feldsr  
9 EPK  
21 Flint  
5 Zinc Ox.  
10 Zirco Pax

C 5-6  
Velvet Matt Blue  
46 Neph Sy  
35 Frit 3247  
8 Whiting  
8 Flint  
3 Lithium Carb.  
2 Bentonite  
1 Cobalt.

10/ C 5-6  
Fake Ash  
20 Barnard Clay  
26 Ball Clay  
30 Wollastonite  
24 Gerstly Borate  
1 Rutile

11/ C5-6  
Speckled Turq. RISD  
49 Gerstly Borate  
32 Flint  
16 EPK  
1.5 Whiting  
2 Copper Carb.

12/ C5-6  
Iridescent Green RISD  
42 Neph SY.  
20 Flint  
14 Dolomite  
12 EPK  
4 Zinc OX.  
6 Bone Ash  
2 Lithium Carb.  
2 Copper Carb.

25/ C 5-6  
Shino  
54 Neph Sy  
22 Spodumene  
5 Gerstly Borate  
4 Soda Ash  
15 OM4 Ball Clay.

26/ C5-6  
White Ash  
4 Barium Carb.  
5 Magnesium Carb.  
10 Whiting  
30 Neph Sy  
12 EPK  
33 Flint

27/ C 5-6  
Black Satin  
42 Kona f-4  
10 Whiting  
2 Talc  
11 Barium  
5 Zinc Ox.  
9 EPK  
8 OM4  
14 Flint

1% Chrome  
3% Red Iron Ox.  
3% Cobalt Carb.  
2% Gran Manganes

28/ C5-6  
Beths Blue Grey  
22 Neph Sy  
7 EPK  
22 Gerstley Borate  
1 Dolomite  
3 Wolastonite  
6 Barium Carb.  
39 Flint

29/ C5-6  
Old Yellow  
30 Neph Sy  
25 Frit 3110  
20 Frit 3247  
15 Whiting  
10 EPK  
5 Red Iron Ox.

30/ C5-6  
15 Wollastonite  
25 Barium Carb.  
5 Flint  
7 Barnard Clay  
25 Neph Sy  
15 Soda Spar  
4% Copper

31/ C 5-6  
Insolater Blue  
13 Barium Carb.  
29 Neph Sy  
33 Flint  
13 Whiting  
5 Strontium Carb.  
4 Kaolin  
1.3 Magnesium Carb.  
1.3 Zinc Ox.  
5% Cobalt Carb.

32/ C 5-6  
47 Custer  
13 Gerstley Borate  
4 Dolomite  
6 Whiting  
4 Zinc Ox.  
3 EPK  
23 Flint.

2 Rutile  
1.4 Copper Carb.  
.5 Cobalt Carb.

*No Name # 1*

*No Name # 2*

13/ C5-6  
Mango Fandango  
33 Neph Sy.  
22 Zinc Ox.  
14 Whiting  
17 OM4 Ball Clay  
11 Flint  
1 Chrome Ox.

14/ C5-6  
Chun Blue  
47 Custer Feldspar  
23 Flint  
13 Gerstley Borate  
6 Whiting  
4 Dolomite  
4 Zinc Ox.  
3 EPK  
2 Rutile  
1.4 Copper Carb.  
.5 Cobalt.

15/ C5-6  
Amber Celadon  
33 Albany Slip  
13 Wollastonite  
20 Kona F-4  
10 Flint  
7 Whiting  
6 Gerstley Borate  
3 EPK  
7 Yellow Ochre

16/ C 5-6  
Copper Green  
49 Kona F-4  
24 Flint  
15 Whiting  
12 EPK  
7 Copper Carb.

*12.25*  
*4*  
*3.75*  
*3*  
*1.75*

17/ C 5-6  
Silky White Matt  
25 Silica  
18 Whiting  
8 Kaolin  
5 Zinc Ox.  
48 Neph Sy.  
4 Tin OX.  
Dark Grey+ 1.5 Copper  
Carb. + .25 Cobalt Carb.  
Pale Blue + .25 Cobalt  
Carb. + 3 Rutile.

18/ C 5-6  
St Johns Black  
65 Albany Slip  
35 Neph Sy  
4 Cobalt Carb.  
3 Mangense Diox.  
2 Red Iron Ox.

19/ C 5-6  
Transparent  
6 Kaolin  
41 Flint  
26 Neph Sy.  
11 Barium Carb.  
4 Zinc Ox.  
5 Dolomite  
7 Whiting

20/ C 6  
Glossy White  
25 Silica 18 Whiting  
4 8 Kaolin  
4 8 Zinc Ox.  
24 48 Neph Sy.  
2 4 Tin Ox.  
3 Zirco Pax.  
*1.5*

20/ C 5-6  
Eriks White  
57 Custer Feldspar  
18 Whiting  
8 Zinc Ox.  
15 EPK  
6 Flint

21/ C5-6  
Clear  
48 Kona Feldspar  
21 Flint  
9 EPK  
8 Gerstly Borate  
7 Whiting  
2 Talc  
5 Zinc Ox  
2 Bentonite

22/ C5-6  
Randy's Green  
16 Fint  
10 Ball Clay  
8 Whiting  
7.5 Zirco Pax  
6 Dolomite  
12 Barium Carb  
21 Custer  
17 Kona F-4  
2.5 Copper  
1.6 Tin

23 C5-6  
Slips  
25 EPK  
25 OM4 Ball Clay  
20 Flint  
5 Borax  
5 Zirco Pax  
15 Neph Sy  
2 Frit 3124  
Blue -Cobalt 2%  
Black- Chrome 2%  
Red Iron 3%  
Cobalt 3%

# Haystack 1999 Karros/Galloway c6 Oxidation & Soda Glazes

## Cone 5 Oxidation Glazes

### Alec Base cone 5 Oxidation

Kona F-4 Feldspar	46.1	Mint - Bermuda Green Stain - 7, Rutile - 1
Fritt 3110	13.5	Brown - Manganese Carbonate - 3
Flint	19.7	Deep Orchard Stain - 1.5
Dolomite	5.9	Lavander - Lavander Stain - 4
Whiting	8.2	Deep Orchard Stain - 2
Zinc	3.9	Wollastonite - 10
EPK Kaolin	2.7	Fritt 3110 - 5

for warmer colors, use the same base, but substitute fritt 3110 with fritt 3124

Red - Degussa Bright Red Stain - 7
Red Iron Oxide - 1
Orange - Degussa Bright Orange Stain - 7
Rutile - 1
Yellow - Prasyadium Yellow Stain - 7
Golden Ambrosia Stain - 2
White - Tin Oxide - 5, Zircopax - 5

### Rudi Base cone 5 Oxidation

Custer Feldspar	41	Black - Black Stain - 12
Whiting	14	Chartuse - Pea Green Stain - 7
Zinc	7	
EPK Kaolin	7	
Flint	22	
Fritt 3124	9	

## **CONE 5-7 SLIPS**

### Black Slip

Tenn. Ball Clay-	40
Neph Sy.-	10
Blk 6600-	25
Wollastonite-	10

Green Slip	
Tenn. Ball-	40
Neph Sy-	30
Fr. Green 6219-	15
Wolastonite-	5
Silica-	10

### Blue Slip

Tenn Ball Clay-	40
Neph Sy-	30
Cobalt Carb-	10
Wollastonite-	10
Silica-	10

Yellow Slip	
Tenn. Ball-	40
Neph Sy-	12.5
Praes. Yell. 6450-	25
Wollastonite-	5



# Iron Red

Randy's Δ6

F4	20	
GB	31	
Talc	14	REC
EPK	5	REC
Flint	30	REC
RIO	<u>152</u>	
Bent.	26	

Glen's Glamor

F4	36
Dolo	170
Talc	3
BorAsh	9
Ball	8
Flint	27
RIO	<u>122</u>

? Ellen Tom Red Δ6

Frit 3110	12	—	60
F4	56	—	280
MgCO <sub>3</sub>	8		40
BorAsh	13		65
EPK	6		30
Flint	20		
RIO	<u>12</u>		10 0

Ann's Red?

NS	16
F4	56
Whiting	13
Barium	7
EPK	8
RIO	<u>122</u>

Rich Red Matt Δ6 OX?

Custer	55
Talc	9
BorAsh	9
EPK	9
Flint	18
RIO	<u>8</u>

20x5  
100  
356  
x 1/2  
—  
178

IRETU sat.

Custer	43	—	258
Whiting	18	—	104
EPK	10	—	60
Flint	28	—	168
RIO	122	x6=72	<u>600</u>

Tomato

F4	48
MgCO <sub>3</sub>	7
BorAsh	12
EPK	7
Flint	<u>26</u>
RIO	12
Bent	3

l. Tom Red

3110	—	360
F-4	—	280
MgCO <sub>3</sub>	—	40
BorAsh		65
EPK		30
Flint		100
RIO		<u>60</u>

206

203  
34

# RECIPIES FOR ALEC KARROS' SUMMER CLASS

## CLAY BODIES

### TERRA COTTA Cone 03/04

Red Art	65
Gold Art	15
Fire Clay	10
Talc	10
Pinch of Barium	

### RAKU Cone 04/06

Fire Clay	37
XX Sagger	20
Gold Art	37
Talc	6
Grog or Sand	10

## SLIPS

### SLIP BASE Cone 03/04

Talc	30
(EPK) Clay	45
Cal. Kaolin	15
Frit 3124	10

### #1 VITREOUS ENGOBE Cone 03/04

Frit 3124	40
Neph Sy	10
Ball Clay	15
Flint	15

### #11 VITREOUS ENGOBE Cone 03/04

Ball Clay	20
Flint	30
3124	25
Talc	10
Borax	5
Opax	10

## CONE 04/03 GLAZES

### FORBES GLOSS

F/4	32
Whiting	11
Zinc	4
Ger. Bor	12
3124	36

\*For matte, change from  
3124 to 3247

GLAZES/SURFACES

Limestone Matt Δ6 Reduction

Custer Spar	43
E.P.K.	24
Dolomite	24
Whiting	7
Bentonite	2

Very dry surface, an engobe in appearance.

I often spray Iron Chromate over this glaze for a rich grey color. Also this glaze works better over a dark body.

Blue/Green Moss Matt Δ6 Reduction

Grolleg	45
Whiting	45
Custer Feldspar	10
Cobalt Carb	1%
Copper Carb	1%

From Xavier Toubes

Yellow/Green Δ6 Reduction - HALO GLAZE

Neph Sy	60
Barium Carbonate	22
Lithium Carbonate	5
Tenn #9 Ball	7
Flint	6
Vanadium	7%

St. John's Black Δ6 Reduction

Albany	65
Neph Sy	10
Barium Carb	10
Talc	15
Chrome	1%
Mang. Dioxide	2%
Cobalt Carb.	2%
Bentonite	2%

I fire this glaze at Δ6, for a smooth satin matt. I also cut the chrome to .5%

Rosie's White Crackle Δ6 Reduction

Custer Feldspar	58.5
Flint	12.0
E.P.K.	10.0
Cornwall Stone	8.0
Whiting	10.0
Spodumene	1.0
Tin	.5

Bobby Silverman's 503R Δ6 Reduction (Soda Blue/Green)

K-200 Feldspar	45
Whiting	7
Grolleg	6
Flint	7
Barium Carb	35
Copper Carbonate	8%

• May also be fired to Δ6 oxidation. Apply thin.

Willie Hillix Green Δ9/10 Reduction

Neph. Sy	43
Flint	24
Whiting	21
Kaolin (E.P.K.)	12
Bentonite	2%
Copper Carbonate	6%

Green to Black (where thick). Over reduction may result in Copper Reds.

From Tom Dimig

Reitz 3-4-6-7

E.P.K. — 15-15	30
Whiting — 20-20	40
Flint — 30-30	60
K-200 Spar — 35	70
	<hr/>
	200
Red Iron Oxide	9%