VAL CUSHING • C/6 OXIDATIN GLAZES • ANDERSON RANCH GLAZE WORKSHOP • 6-14-87

NEPH. SY. 62
BAR. CARB. 20
LITHIUM CARBONATE 6
BALL CLAY 6
FLINT 6

SATIN MATT BASE GLAZE

(1.)

KONA F/4 FELDSPAR – 46
WHITING – 18
ZINC OXIDE – 10
BONE ASH – 8
EPK – 6
FLINT – 12

SATIN MATT BASE GLAZE

(2.)

CUSTER FELDSPAR – 30
BARIUM CARBONATE – 26
ZINC OXIDE – 20
LITHIUM CARBONATE – 3
FLINT – 17
M.C. EPK – 4

SATIN MATT BASE GLAZE – SOAK AT 900°C FOR ONE HOUR IN COOLING · ADD COLOR FOR CRYSTALS —

(5)

WOOD ASH — 50
GERSTLEY BORATE – 24
WHITING — 12
EPK – 4
FLINT – 10

SEMI GLOSSY ASH BASE.

(13)

NEPH. SYENITE — 58
BARIUM CARBONATE · 20
LITHIUM CARBONATE · 2
ZINC OXIDE – 8
WHITING – 8
FLINT – 4

SATIN MATT BASE GLAZE

(2.)

CUSTER FELDSPAR – 32
BARIUM CARBONATE – 36
ZINC OXIDE – 15
LITHIUM CARB. – 2
FLINT – 15

* SAME AS #5.

(6.)

CUSTER FELDSPAR – 34
WHITING – 16
TALC – 10
FRITT #3134 – 20
BONE ASH – 8
EPK – 12

SATIN · SEMI GLOSSY · BASE

(10.)

ALBANY SLIP — 40
WOLLASTONITE — 20
NEPH. SYENITE — 20
FRITT # 3124 – 20

SATIN SLIP GLAZE

(14.)

ALBANY SLIP — 10
NEPH. SYENITE – 20
SPODUMENE – 10
FRITT # 3124 – 18
WHITING — 16
EPK – 10
FLINT – 16

MATT SEMI GLAZE

(15.)

CORNWALL STONE – 48
GERSTLEY BORATE – 34
MAGNESIUM CARB. – 6
ZIRCOPAX — 12

GLOSSY · WHITE · OPAQUE BASE GLAZE ···

M.Co.

(11.)

CUSTER FELDSPAR – 38
BARIUM CARBONATE – 20
ZINC OXIDE – 25
LITHIUM CARB. – 3
FLINT – 4

* SAME AS # 5.

(7.)

FERRO FRITT #3110 – 47
ZINC OXIDE – 24
TITANIUM DIOXIDE – 10
FLINT – 18
EPK – 1

OPAQUE MATT BASE
2% BENTONITE ADDED WILL STOP SETTLING OUT.

(3.)

neph sy for custer – compared

CUSTER FELDSPAR – 40
FRITT # 3124 – 18
WHITING — 16
EPK – 10
FLINT – 16

GLOSSY TRANSPARENT BASE GLAZE ···

(16.)

NEPHELINE SYENITE – 36
WHITING – 20
GERSTLEY BORATE – 10
VOLCANIC ASH – 8
EPK – 4
FLINT – 22

GLOSSY · SEMI OPAQUE BASE GLAZE.

(12.)

FRITT # 3124 — 25
GERSTLEY BORATE — 15
NEPHELINE SYENITE — 20
EPK – 15
FLINT – 16
WHITING – 4
ZINC OXIDE – 4
BARIUM CARB. – 1

SEMI GLOSSY BASE GLAZE

(8.)

NEPHELINE SYENITE – 46
BARIUM CARBONATE – 36
LITHIUM CARBONATE · 2
BALL CLAY · 7
FLINT · 9

SATIN MATT BASE GLAZE

(4.)

FOR SATURATED IRON REDS, PLUM
D, 8% TO 10% IRON OXIDE. REDS AND BLACK/BROWN COLORS.

VCIR·A GLOSSY BLACK/BROWN

CUSTER SPAR – 35
GERSTLEY BORATE – 20
WHITING – 15
EPK – 10
FLINT – 25
+ 10 % IRON OXIDE 100

VCIR·B

NEPHELINE SYENITE – 24
KONA F/4 FELDSPAR – 24
ZINC OXIDE – 20
WHITING – 10
FLINT – 20
EPK – 2
10 % IRON OX. 100
BENTONITE ——— 1 %

VCIR·C

CUSTER SPAR ——— 40
CORNWALL STONE ——— 20
WHITING ——— 10
FLINT ——— 20
GERSTLEY BORATE ——— 5
EPK ——— 5
10 % IRON OXIDE 100

VCIR·D

K·200 SPAR ——— 50
WHITING – 12
ZINC OXIDE – 2
EPK – 10
FLINT – 26
10 % IRON OXIDE 100

VCIR·E

K·200 SPAR – 40
FLINT – 30
WHITING – 20
EPK – 10
100
10 % IRON OX.

(6.) VCIR·F

CUSTER FELDSPAR – 50
GERSTLEY BORATE – 15
WHITING – 10
FLINT – 20
EPK – 5
+ 10 % IRON OX. 100

(7.) VCIR·G

K-200 FELDSPAR – 80
WHITING – 10
EPK – 10
+ 10 % IRON OXIDE

(8.) VCIR·H

OXFORD FELDSPAR – 60
WHITING – 10
WOLLASTONITE – 5
GERSTLEY BORATE – 5
FLINT – 15
EPK – 5
+ 10 % IRON OXIDE 100
BENTONITE – 1 %

(9.) VCIR·I

CORNWALL STONE – 42
WHITING – 16
GERSTLEY BORATE – 2
ZINC OXIDE – 2
FLINT – 26
EPK – 12
+ 10 % IRON OXIDE 100

SOME SATURATED IRONS WORK BEST AT 8 % IRON OXIDE · SOME AT 10 %.

ALL THESE GLAZES GIVE CELADON EFFECTS AT ½ TO 1 % IRON OXIDE INSTEAD OF 8 TO 10 %. AT THE LOWER PERCENTAGE YOU GET PALE GREENS, SOME GOING BLUE (GREEN)

WHITE OPAQUE GLOSSY

USTER SPAR - 40
ZINC OXIDE - 9
ZIRCOPAX - 9
WHITING - 16
EPK - 10
FLINT - 16

15-16

.L.V.C. GLOSS, SEMI OPAQUE

ORNWALL STONE - 40
GERSTLEY BORATE - 9
ZIRCOPAX - 9
WHITING - 16
EPK - 10
FLINT - 16

:IME GREEN → ½ % CITROME OX.
'EARL, OFF WHITE → 5% RUTILE.

LLENS HALLOWEEN • SATIN TO MATT MULTI COLORED. YELLOW/BROWNS ETC. (BEAUTIFUL)

:USTER SPAR - 53
WHITING - 22
BARIUM CARBONATE - 16
EPK - 9
'ELLOW OCHRE - 5
RUTILE - 2

TRANSLUCENT BASE, SATIN/GLOSSY

NEPH. SYENITE - 44
ZINC OXIDE - 13
WHITING - 7
EPK - 8
FLINT - 28

VC · STONE MATT · (GOOD FOR COLOR).

NEPHELINE SYENITE - 50
BARIUM CARB. - 10
FERRO FRITT 3124 - 5
WHITING - 5
PETALITE - 5
EPK - 10
FLINT - 15

2% $CuCO_3$ (BLUE/GREEN)
1% CrO (YELLOW/GREEN)

"OLD GOLD" ALBANY · satin Glossy

ALBANY SLIP - 78
LITHIUM CARB. - 10
ZIRCOPAX - 12

OR ZPAX)

MATT BASE FOR IRON REDS, ETC.

CUSTER FELDSPAR - 30
NEPH. SYENITE - 30
WHITING - 20
TALC - 4
EPK - 9

FOR RED → * ← SAME BAS GLAZE +

LIKE SHANER GOLD · ORANGE BROWN · CINAMMON
BONE ASH - 6
IRON OX. - 4
RUTILE - 4

4 BONE AS
4 IRON OX
GIVES RE

B.J. (ALFRED · SPODUMENE · REVISED TO C/6
MATT GLAZE, TAN, BROWNISH, WHITE'ISH.

KONA F/4 FELDSPAR - 20
CUSTER FELDSPAR - 20
SPODUMENE - 20
DOLOMITE - 20
WHITING - 5
KAOLIN - 15
+ TIN OXIDE - 4 %

ALBANY BLACK • SATIN

ALBANY SLIP - 75
NEPH. SYENITE - 20
GERSTLEY BORATE - 5
COBALT OXIDE - 5

B.J. (KAWAI CELADON TO C/6)

NEPH. SYENITE - 60
WHITING - 10
EPK - 7
FLINT - 25
TALC - 7

(LOVELY GLOSSY TO SATIN BASE)

GREEN → IRON OX. 1%.
BLACK/BROWN → IRON OXIDE 10 %

D.K. (REVISED) #11 (VU) SATIN/GLOSSY WHITE LINER.

CUSTER FELDSPAR - 62
WHITING - 14
ZINC OXIDE - 6
TALC - 8
E.P.K. - 10

ZIRCOPAX - 8 %

Glazes for C/4. 5 BEST 6 "Oxidation" (ELECTRIC) 6/15/85

(BASE GLAZES WORK IN REDUCTION TOO.)

1) VC 5SM.

Neph. Syenite – 30
Kona F/S spar – 18
Barium Carb. – 30
Wollastonite – 18
Flint – 4

Bentonite – 2%

Rich Blue Green: 2% Copper Carbonate
¼% Cobalt Carbonate.

Rich Satin matt to stone matt develops strong colors.

Good to test for other colors. (Try Iron, Copper, Cobalt, Manganese, Rutile, Chrome, etc.)

2) Heavy Matt, Satin – Lovely surface VC 5EM

Neph. Syenite – 66
Dolomite – 20
Ball Clay – 5
Bentonite – 2
Tin Oxide – 7
100

2% Iron – Cream breaking rust, over dark clay.

3) Matt, Cold, Tan, Brown. VC 6EMG.

Custer Spar – 30
Neph. Syenite – 35
Whiting – 10
EPK – 9
Talc – 6
Bone ash – 4
Barium Carb. – 6
100

6% Red Iron – Brown, Cold.

2% Copper Carb. – deep green.

8% Red Iron – Richer Brown to Cold to Straw.

4) Black Slip Glaze. "Satin" VC 6ESGB.

Albany Slip – 85
Gerstley Borate – 5
Manganese Dioxide – 5
Iron Oxide – 5

– ALTERNATE –

Albany Slip – 75
Neph. Syenite – 20
Gerstley Borate – 5
Cobalt Carb. – 5
105

next page →

FAVORITE Δ6 REDUCTION GLAZES C. RATTNER

Δ9 (XAVIER'S Δ6) SATIN

CUSTER - 40
3124 - 9
WHITING - 16
TALC - 9
EPK - 10
FLINT - 16
100

BEAUTIFUL CREAMY-RELIABLE
GOOD W/ COLORS REDUCTION & OXIDATION

+ 1% Fe_2O_3 → SATIN CELADON

+ 4% $CuCO_3$ + 6% RUTILE → WARM JADE GREEN W/ SPECKS

+ 4% GRANULAR MnO + 4% RUTILE → CLOUDY CREAMY BEIGE-YELLOW SPECKLES BROWN

+ 2% $CuCO_3$ → MOTTLED COPPER RED/GREEN

+ 3% GR MnO + 7% Fe_2O_3 → LOOKS LIKE AMBER CELADON W/ SPECKS

BASE
CC BASE Δ6 ANOTHER RELIABLE CREAMY BASE
GOOD WITH COLORS

EPH SY - 24
OLOMITE - 11
BORATE - 12
ITING - 4
NC OX - 2
K - 7
INT - 40

+ .75 Cobalt Co_3
.5 Rutile
.5 GREEN NICKEL OX
→ SOFT PURPLE BLUE BRIGHT

+ 6-10% RUTILE → ON DARK CLAY NICE GOLDEN MUSTARDY WARM (LESS INTENSE ON WHITE CLAY)

TRY ILMENITE AND/OR GRANULAR MNO → SPECKS

F BASE - GREAT IN BOTH OXIDATION + REDUCTION - GLOSS

ZIUM - 4
LC - 20
- 36 - 10
NC - 5
- P-25 - 18
K - 15
IT - 28

Ⓐ + 2% Fe_2O_3 + 8% Titanium Dioxide - MOTTLED GOLD

Ⓑ + 3% RUTILE, 3% Fe_2O_3, 1% TIN - TRANSPARENT STREAKS GOLD SPECKS!

A + B OVERLAPPING PRODUCE - OPALESCENT (OXIDATION) GREAT VARIETY W/ BROWN/GOLD