

Tennessee Technological University - Appalachian Center for Crafts - Clay Studio

Recipes for Stock ACC Cone 10 Glazes

Vince Pitelka, 2015

The following recipes are presented in standard form, with materials listed in descending amounts, with the basic “building block” ingredients totaling “100” listed above the horizontal line, and the modifiers (bentonite, zircopax, etc.) and colorants listed as percentage additions below the line.

Bird Matt

Neph Sy	71.5
Dolomite	23.1
<u>Ball Clay</u>	<u>5.4</u>
+ Zircopax	9.8%
Bentonite	3.2%
Mang. Dioxide	2%
Cobalt Carb.	0.6%

Caramel Yellow

Neph Sye	19.0
Flint	17.9
Spodumene	17.8
Dolomite	16.9
Custer Feldspar	14.3
<u>EPK</u>	<u>14.3</u>
+ Titanium Diox.	8%

Deller Chun

Custer Feldspar	45.0
Flint	29.0
Gerstley Borate	9.5
Dolomite	9.5
Strontium	3.0
Grolleg	2.0
<u>Zinc Oxide</u>	<u>2.0</u>
+ Tin Oxide	3%
Red Iron Oxide	0.5%

Elk White

Custer Feldspar	60.0
OM-4	15.0
Dolomite	10.0
Gerstley borate	10.0
<u>Flint</u>	<u>5.0</u>
Zircopax	10%

Gustin Shino

Neph Sy	45.0
Kona F-4	10.8
Spodumene	15.2
Ball Clay	15.0
EPK	10.0
<u>Soda Ash</u>	<u>4.0</u>

Hamada Green

Custer Feldspar	30.0
Flint	16.0
Strontium Carb.	14.0
EPK	11.2
OM-4	11.2
Dolomite	9.0
<u>Whiting</u>	<u>8.6</u>
+ Red Iron Oxide	3%
Rutile	2%
Copper Carb.	1%

Honey Luster

Custer Feldspar	40.9
Flint	19.1
Talc	14.0
Gerstley Borate	11.5
Dolomite	7.3
<u>Ball Clay</u>	<u>7.2</u>
+ Mang. Dioxide	8%

Jeff's Red

Custer Feldspar	41.9
Flint	26.2
Dolomite	8.7
Gerstley Borate	8.7
Whiting	8.4
Barium Carb.	4.4
<u>Zinc Oxide</u>	<u>1.7</u>
+ Tin Oxide	2.6%
Bentonite	2%
Copper Carb.	0.5%

Killer Tomato Red

Kona F-4	48.2
Flint	25.9
Bone Ash	11.6
EPK	7.1
<u>Magnesium Carb.</u>	<u>7.1</u>
+ Red Iron Oxide	7.1%

Light Green Celadon

Custer Feldspar	43.5
Flint	28.2
Whiting	18.0
<u>EPK</u>	<u>10.3</u>
+ Red Iron Oxide	0.75%
Chrome Oxide	0.25%

Mac Celadon

Flint	41.7
Custer Feldspar	33.3
Whiting	16.7
<u>EPK</u>	<u>8.3</u>
Zircopax	1.7%
Bentonite	2.5%
+ Red Iron Oxide	1.7%

Mamo Matt

Custer Feldspar	52.7
EPK	22.6
Dolomite	20.4
<u>Whiting</u>	<u>4.3</u>
+ Zircopax	10%

Marks Temmoku

Custer Feldspar	45.0
Flint	27.0
Whiting	17.0
<u>EPK</u>	<u>11.0</u>
+ Red Iron Oxide	9%

Midnight Blue

Custer Feldspar	37.3
Flint	22.6
Gerstley Borate	11.2
EPK	8.9
Dolomite	7.7
Talc	5.0
Zinc Oxide	4.5
<u>Whiting</u>	<u>2.8</u>
+ Bentonite	1%
Cobalt Oxide	2.2%
Copper Oxide	2.2%

Ohata Kaki

Custer Feldspar	48.7
Flint	21.6
Bone Ash	9.9
Whiting	7.2
EPK	6.3
<u>Talc</u>	<u>6.3</u>
+ Red Iron Oxide	11%

Ohio White

Neph Sye	71.5
Dolomite	23.8
<u>Ball Clay</u>	<u>4.7</u>
Bentonite	3%
Zircopax	9.5%

Olive Celadon

Alberta Slip	35.9
Custer Feldspar	21.7
Wollastonite	14.1
Flint	14.1
Whiting	7.6
EPK	3.3
<u>Gerstley Borate</u>	<u>3.3</u>
+ Yellow Ochre	8.7%

Oribe

Flint	35.1
Custer Feldspar	28.5
Whiting	17.8
Strontium	8.4
Talc	4.0
EPK	3.3
<u>Bone Ash</u>	<u>1.9</u>
+ Bentonite	2%
Black Copper Ox.	4.5%

Pete's Cranberry

Custer Feldspar	73.8
Gerstley Borate	10.2
Whiting	11.1
<u>Flint</u>	<u>4.9</u>
+ Copper Carb.	0.3%
Tin Oxide	1%

Porcelain Shino

Neph Sy	39.0
Spodumene	30.5
Ball Clay	17.0
Soda Ash	8.0
<u>EPK</u>	<u>5.5</u>

Reitz Purple

Cornwall Stone	50
EPK	25
Dolomite	20
<u>Whiting</u>	<u>5</u>
+ Cobalt Oxide	0.5%

Ru Moku

Custer Feldspar	62.7
Flint	14.5
Gerstley Borate	14.5
<u>Whiting</u>	<u>8.3</u>
+ Bentonite	3%
Red Iron Oxide	2%
Rutile	3%

Satin Doll

Red Art	40.0
Neph Sy	15.0
Talc	15.0
Barium Carb	10.0
Whiting	10.0
<u>Flint</u>	<u>10.0</u>
+ Chrome Oxide	1%
Red Iron Oxide	2%
Mang. Dioxide	2%
Cobalt Carb	2%

Shaner Red

Custer Feldspar	49.0
EPK	23.0
Whiting	20.0
Talc	4.0
<u>Bone Ash</u>	<u>4.0</u>
+ RIO	5.5%
Bentonite	2.0%

Sloan's Black

Custer Feldspar	45.9
Flint	24.5
Whiting	14.2
OM-4	8.7
Borax	4.6
<u>Zinc Oxide</u>	<u>2.1</u>
+ Cobalt Carb	0.5%
Red Iron Ox	3.5%
Chrome	1.5%

Somebright Green

Custer Feldspar	45.0
Strontium	25.0
Ball Clay	13.0
Zinc Oxide	10.0
<u>Whiting</u>	<u>7.0</u>
+ Copper Carb.	5%
Rutile	1%
Red Iron Oxide	1.3%

Turquoise Matt

Neph Sy	45.9
Barium Carb.	38.2
Flint	7.3
Ball Clay	6.7
<u>Spodumene</u>	<u>1.9</u>
+ Copper Carb.	2%

Vince's Clear

Custer Feldspar	22.0
OM-4	15.0
Neph. Sy	13.1
Flint	13.0
Cornwall Stone	12.8
Whiting	9.5
EPK	5.7
Talc	5.3
<u>Barium Carb.</u>	<u>3.6</u>
+ Bentonite	3%

Woo Yellow

F-4 Feldspar	35.9
Barium Carbonate	27.2
Zinc Oxide	16.3
Dolomite	13.0
<u>EPK</u>	<u>8.0</u>
+ Red Iron Oxide	3.3%
Bentonite	2.2%