

Green Glazes – Cone 5

"H" Copper Glaze A
(Cone 8, reduction)

Calcined Borax	12.37%
Whiting	16.92
Nepheline Syenite	24.29
Ball Clay	2.41
Flint	44.01
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	100.00%
Add: Tin Oxide	1.91%
Copper Carbonate	0.55%

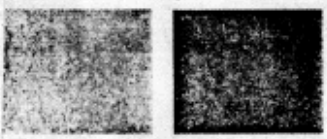
"H" Copper Glaze B
(Cone 8, reduction)

Calcined Borax	12.47%
Whiting	16.27
Nepheline Syenite	24.48
Ball Clay	2.43
Flint	44.35
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	100.00%
Add: Tin Oxide	2.70%
Zinc Oxide	0.61%
Copper Carbonate	0.56%
Rutile	0.56%

"H" Copper Glaze C
(Cone 8, reduction)

Calcined Borax	12.61%
Whiting	15.27
Nepheline Syenite	24.78
Ball Clay	2.46
Flint	44.88
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	100.00%
Add: Tin Oxide	4.17%
Zinc Oxide	1.60%
Copper Carbonate	0.57%
Rutile	1.41%

Xavier's Warm Jade Green
Cone 6 Oxidation



Tests pictured on porcelain and stoneware.
Formula provided by John Hesselberth
from Ian Currie's Stoneware Glazes.

Custer Feldspar	40.0%
Frit 3124	9.0
Whiting	16.0
Talc	9.0
EPK	10.0
Flint	16.0
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	TOTAL: 100.0%
add Copper Carbonate	4.0%
Dark Rutile	6.0%

Randy's Base Revised*
cone 6 oxidation
courtesy Julia Galloway

Custer Feldspar	19.23%
Flint	14.62
Frit 3124	11.54
Kona F-4 Feldspar	9.23
Ball Clay	9.23
Barium Carbonate	9.23
Gerstley Borate	7.69
Whiting	7.69
Zircopax	6.92
Dolomite	4.62
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TOTAL	100.00%

add Bentonite 2%
add Copper Carb 2-8%
OR add Cobalt Oxide 1/4-2%
OR add Tin Oxide 4-10%
OR add Red Iron Oxide 2-4%
OR add Manganese Dioxide 2-6%

Some Bright Green Glaze
cone 6 oxidation
courtesy Julia Galloway

Custer Feldspar	40.91%
Strontium Carbonate	31.82
Ball Clay	11.82
Zinc Oxide	9.09
Whiting	6.36
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TOTAL	100.00%

add Cobalt Carbonate 2-4%
OR add Rutile 2%
OR add Red Iron Oxide 1-3%

Hunter's Green
Cone 6 oxidation
from the Corcoran School of Art—furnished by Grace Lewis

Ferro Frit	22.0%
Strontium Carbonate	16.0
Custer Feldspar	34.0
Wollastonite	12.0
Flint	6.0
OM-4	10.0
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TOTAL:	100.00%

add Bentonite 2.0%
Victoria Green Mason Stain 8.0

MOTTLED BLUE-GREEN GLAZE
Cone 6 Oxidation

Gerstley Borate	55.5 %
Silica	30.0
Talc	14.5
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TOTAL	100.0

Add Copper Carbonate .5

GREEN DRAGON MATT GLAZE

Whiting	18 %
Zinc Oxide	8 %
Cornwall Stone	22 %
Soda Feldspar	44 %
EPK Kaolin	3 %
Bentonite	5 %
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	100 %

Add:
Copper Carbonate 4 %
Titanium Dioxide 4 %

Crystalline Sea Green
Cone 6 Oxidation
courtesy of Polly Beach

Custer Feldspar	34.90%
Zinc Oxide	25.80
Flint (Silica)	22.90
Whiting	12.30
EPK	4.10
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TOTAL:	100.00%

add Copper Carbonate 4.0%
add Bentonite 2.0%

George Whitten Copper Matt
(Cone 05)

White Lead Bisilicate	2.50 lb
Frit 3110 (Ferro)	2.00
Iron Oxide	0.50
Red Copper Oxide	20.00
Veegum T	1.25
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	26.25 lb

Lichen Matte Opaque cone 6

Magnesium carb.....	5.0
Nephy Sy.....	5.0
Copper carb.....	4.0

Apply thick for crackle.

Mirjana's Light Green Glaze (Cone 6)

Barium Carbonate	2.0%
Gerstley Borate	6.6
Lithium Carbonate	6.7
Magnesium Carbonate	3.8
Whiting	16.4
Nepheline Syenite	24.3
Flint	40.2
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	100.0%

Add: Tin Oxide 3.1%
Green Nickel Oxide 1.6%
Rutile (Dark) 2.3%

Mint Green Glaze I (Cone 6)

Barium Carbonate	4.0%
Magnesium Carbonate	2.5
Spodumene	11.2
Whiting	10.0
Zinc Oxide	1.6
Nepheline Syenite	49.6
Edgar Plastic Kaolin	1.6
Flint	19.5
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	100.0%

Add: Cobalt Carbonate 1.2%
Copper Carbonate 0.5%
Red Iron Oxide 0.4%
Rutile (Dark) 0.8%

Andy Martin Show Saver cone 6 ox/

Nephy Sy.....	214g
Frit 3110.....	42
Strontium carb.....	128
Whiting.....	24
Barium carb.....	228
Tile #6.....	24
Bentonite.....	30
Flint.....	31

Color:

Chartreuse//Chrome ox.....	0.5%
Green//Copper carb.....	4%
Purple//Cobalt carb.....	0.1%
Manganese.....	4%

Xavier's Warm Jade Green cone 6 red/

Custer.....	40
Frit 3124.....	9
Whiting.....	16
Talc.....	9
EPK.....	10
Flint.....	16
Rutile.....	6
Copper carb.....	4

Bobby Silverman's 503R cone 6 ox/red.

K-200.....	45
Whiting.....	7
Grolleg.....	6
Flint.....	7
Barium carb.....	35
Copper carb.....	8

**Ocean Green
Cone 6 oxidation**

EPK Kaolin	5.40%
G-200 Feldspar	25.30
Gerstley Borate or sub.	20.00
Nepheline Syenite	22.00
Silica	18.00
TOTAL:	100.00%

**Ocean Green
(continued)**

add Red Iron Oxide	1.8%
Light Rutile	2.8
Copper Carbonate	3.5

The above glaze appears in The Ceramic G Handbook by Mark Burtleson (see reviews, p 45.)

Mint Green Glaze II (Cone 6)

Barium Carbonate	4.2%
Spodumene	11.8
Whiting	8.5
Zinc Oxide	1.7
Nepheline Syenite	39.4
Edgar Plastic Kaolin	7.4
Flint	27.0
	<u>100.0%</u>
Add: Copper Carbonate	0.8%
Red Iron Oxide	0.4%
Rutile (Dark)	1.7%

**Hal's Nickel-Green Semimatt Glaze
(Cone 6)**

Whiting	16.28%
Zinc Oxide	7.91
Nepheline Syenite	40.26
Edgar Plastic Kaolin	8.40
Flint	27.15
	<u>100.00%</u>
Add: Nickel Oxide	4.50%

May tend to form crystals.

**Hal's Green Gloss Glaze
(Cone 6)**

Whiting	10.70%
Zinc Oxide	18.34
Nepheline Syenite	37.59
Edgar Plastic Kaolin	7.88
Flint	25.49
	<u>100.00%</u>
Add: Chrome Oxide	1.00%
Red Iron Oxide	1.00%

Sullivan's Turtle Green Glaze (Cone 6)

Barium Carbonate	3.1%
Gerstley Borate	1.6
Lithium Carbonate	11.7
Magnesium Carbonate	3.1
Whiting	14.9
Kingman Feldspar	24.7
Flint	40.9
	<u>100.0%</u>
Add: Tin Oxide	3.1%
Green Nickel Oxide	0.8%
Rutile (Dark)	3.1%

**Green Matt Glaze
(Cone 6, reduction)**

Dolomite	4.3%
Whiting	11.0
Cornwall Stone	46.0
Kentucky Ball Clay (OM 4) ..	12.0
Flint	26.7
	<u>100.0%</u>
Add: Red Iron Oxide	9.0%

**Glassy Green Glaze
(Cone 4-5)**

Gerstley Borate	25.0%
Lepidolite	50.0
Zinc Oxide	4.0
Flint	21.0
	<u>100.0%</u>
Add: Copper Carbonate	5.0%
Iron Oxide	0.5%

Danielle's Green Glaze Cone 3 Oxidation

On a high-talc (25% or more) clay body, achieves an emerald green color and rich surface without the use of barium:

Flint	12%
Nephelene Syenite	14
Soda Frit 3110	44
Talc	14
EPK	6
Gerstley Borate	10
	100
Add Copper Carbonate	3

Lynn Rander's Textured Glossy Cone 6 Oxidation (from Ceramics: Shape and Surface by Lana Wilson)

Gerstley Borate	11.0%
Magnesium Carbonate	12.0
Wollastonite	7.0
Nephelene Syenite	60.0
Cedar Heights Goldart	10.0
TOTAL:	100.0%
add Zircopax	9.0

This glaze yields a nice glossy surface which, when thicker, has speckles of a deeper hue of the same color glaze. Variations: For a Light Minty Green, add 2% Copper Carbonate. For Lavender, add 2% Cobalt Carbonate. For Blue-Gray, add 1% Cobalt Carbonate plus 2% Rutile.

Studio Turquoise Glaze (Cone 6, reduction)

Dolomite	19.4%
Whiting	3.0
Nepheline Syenite	35.0
Kentucky Ball Clay (OM 4)	23.6
Flint	19.0
	100.0%
Add: Chrome Oxide	2.0%
Cobalt Carbonate	1.0%

Foggy Celadon Glaze (Cone 6, reduction)

Whiting	9.8%
Volcanic Ash	90.2%
	100.0%
Add: Zinc Oxide	9.3%

(Small amounts of iron oxide are present in volcanic ash.)

Copper Red Glaze (Cone 6, reduction)

Dolomite	9.7%
Custer Feldspar	58.5
Frit 3124 (Ferro)	12.0
Flint	19.8
	100.0%
Add: Bentonite	3.0%
Tin Oxide	1.0%
Zinc Oxide	4.0%
Copper Carbonate	0.5%
Manganese Dioxide	0.1%

Green Dragon Matt Glaze (Cone 6)

Whiting	17.66%
Zinc Oxide	8.02
Cornwall Stone	21.99
Soda Feldspar	44.10
Bentonite	3.25
Edgar Plastic Kaolin (EPK)	4.98
	100.00%
Add: Titanium Dioxide	4.01%
Copper Carbonate	4.33%

Sheen-O Glaze (Cone 6)

Soda Ash	2.9%
Gerstley Borate	4.9
Spodumene	22.8
Nepheline Syenite	54.5
Ball Clay	14.9
	100.0%
Add: Chrome	0.5%

KK Copper Red Glaze

(Cone 6-10, oxidation or reduction)	
Barium Carbonate	21.5%
Borax	5.4
Soda Ash	1.1
Whiting	5.4
Cornwall Stone	7.5
Kona F-4 Feldspar	37.6
Kaolin (any, except Edgar Plastic Kaolin)	10.7
Flint	10.8
	100.0%
Add: Tin Oxide	2.2%
Zinc Oxide	5.4%
Copper Carbonate	7.5%

Pete Pinnell Strontium Matt Glaze (Cone 6-10)

Lithium Carbonate	1%
Strontium Carbonate	20
Nepheline Syenite	60
Ball Clay	10
Flint	9
	100%
Add: Bentonite	2%

For turquoise, add 5% copper carbonate. Use Epsom salts to prevent settling.

Jokon Ash Glaze (Cone 6, oxidation or reduction)

Barium Carbonate	45%
Washed Wood Ash	55
	100%
Add: Copper Carbonate	3%

A dark green, runny matt.

AG19 (Cone 6, reduction)

Washed Wood Ash	50%
Red Earthenware Clay	50
	100%

A clear olive-green.

Copper Red Glaze (Cone 6, reduction)

Dolomite	9.7%
Custer Feldspar	58.5
Frit 90 (Hommel)	12.0
Flint	19.8
	100.0%
Add: Tin Oxide	1.0%
Zinc Oxide	4.0%
Copper Carbonate	0.5%
Manganese Dioxide	0.1%
Bentonite	3.0%

Ferro frit 3124 may be substituted directly for Hommel frit 90.

Dixon's Matte Green Cone 6 Oxidation used by Cathy Broski



Gerstley Borate	11.5%
Whiting	21.1
Soft Wood Ash	28.7
Nepheline Syenite	27.8
EPK	6.1
Flint	4.8
TOTAL:	100.0%

add Red Copper Oxide 1.9%

Jade Green Glaze (Cone 4)	20%
Barium Carbonate	10
Gerstley Borate	10
Talc	10
Whiting	10
Custer Feldspar	40
Flint	10
	100%
Add: Copper Carbonate	5%

LBC Turquoise Green Glaze (Cone 6)	2.11%
Barium Carbonate	2.11
Lithium Carbonate	44.21
Washed Wood Ash	13.68
Whiting	22.10
Potash Feldspar	15.79
Clay Body (any)	100.00%
	5.26%
Add: Copper Carbonate	

Hal's Blue-Green Dark Gloss Glaze (Cone 6)

Lithium Carbonate	17.33%
Whiting	13.20
Zinc Oxide	1.19
Nepheline Syenite	36.25
Edgar Plastic Kaolin	7.57
Flint	24.46
	100.00%
Add: Copper Carbonate	8.00%

Gray Celadon Glaze (Cone 6, reduction)

Kona F-4 Feldspar	37.5%
Kentucky Ball Clay (OM 4)	28.4
Wollastonite	34.1
	100.0%
Add: Zinc Oxide	13.6%
Red Iron Oxide	1.1%

Crystalline Sea Green Cone 6 Oxidation courtesy of Polly Beach

Custer Feldspar	34.90%
Zinc Oxide	25.80
Flint (Silica)	22.90
Whiting	12.30
EPK	4.10
TOTAL:	100.00%
add Copper Carbonate	4.00%
add Bentonite	2.00%

Matt Blue-Green Glaze
(Cone 6, reduction)

Dolomite	25%
Custer Feldspar	25
Nepheline Syenite	25
Kentucky Ball Clay (OM 4)	25
	100%
Add: Chrome Oxide	2%
Cobalt Carbonate	1%

Blue-Green Glaze
(Cone 6, reduction)

Magnesium Carbonate	3%
Spodumene (chemical grade)	53
Talc	44
	100%
Add: Tin Oxide	2%
Chrome Oxide	1%
Cobalt Carbonate	1%
Bentonite	3%

A light blue-green is achieved with the addition of 4% tin oxide, 1% chrome oxide and 0.75% cobalt carbonate.

Brown-Blue Gloss Glaze
(Cone 6)

Gerstley Borate	50%
Georgia Kaolin	20
Flint	30
	100%
Add: Red Iron Oxide	10%

A dark brown glaze with milky blue puddles in crevices or where thick.

Chris Wolff's Light Blue Glaze
(Cone 6, oxidation)

Dolomite	20.0%
Frit 3134 (Ferro)	20.0
Spodumene	20.0
Kentucky Ball Clay (OM 4) ..	20.0
Flint	20.0
	100.0%
Add: Tin Oxide	5.0%
Cobalt Oxide	0.5%
Rutile	4.0%

A speckled blue; produces a variety of blues and browns when used with Plum and Cream Gloss.

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

BLNS Matt Glaze
(Cone 7)

Barium Carbonate	11.1%
Lithium Carbonate	8.3
Whiting	2.8
Nepheline Syenite	77.8
	100.0%
Add: Bentonite	2.0%

For a blue-green matt, add 1% copper carbonate.

CDG Base 1 Peach Glaze
(Cone 4)

Barium Carbonate	6.91%
Whiting	9.60
Zinc Oxide	10.41
Custer Feldspar	73.08
	100.00%
Add: Copper Carbonate	0.99%
Rutile	6.02%

Base 2 Blue Overgloss Glaze
(Cone 4)

Barium Carbonate	6.76%
Gerstley Borate	17.52
Talc	6.38
Zinc Oxide	8.13
Custer Feldspar	38.68
Flint	22.53
	100.00%
Add: Titanium Dioxide	3.00%
Red Iron Oxide	3.00%

MARCO ISLAND FLOATING BLUE
(Cone 5-6, Oxidation)

Gerstley Borate	27%
Nepheline Syenite	48
EPK (Edgar Plastic Kaolin)	5
Silica (Flint)	20
	100%

add:

Red Iron Oxide (don't use dark red)	2%
Cobalt Carbonate	1%
Rutile	4%

When this floating blue is fired in an electric kiln to Cone 5 with a fast cool down (12-15 hours), a blue color is the result. Firing to Cone 6 with a slow cool down (over 24 hours) yields a sage green with dark flecks.

Glossy Pink Base
Cone 6 Oxidation

courtesy Richard Burkett's
sperglaze glaze calculation software

Gerstley Borate	20.7%
Nepheline Syenite	16.3
EPK	11.3
Whiting	19.5
Flint	32.2
	TOTAL: 100.0%
add Tin Oxide	5.0%
Chrome Oxide	0.2%

Water Blue Base

cone 6 oxidation
courtesy Julia Galloway

Frit 3110	77.0%
Flint	10.0
EPK	7.0
Gerstley Borate	6.0
	TOTAL: 100.0%
add Bentonite	3%
add Cobalt Carbonate	3-8%

Wright's Water Blue Glaze
(Cone 1-6)

Lithium Carbonate	3%
Strontium Carbonate	9
Frit 3110	59
Edgar Plastic Kaolin	12
Flint	17
	100%
Add: Bentonite	2%
Copper Carbonate	5%

A glossy turquoise in oxidation.

Blue-Green Matt Glaze
(Cone 4-8)

Whiting	30%
Cornwall Stone	45
Edgar Plastic Kaolin	20
Gerstley Borate	5
	100%
Add: Tin Oxide	4%
Copper Carbonate	4%

A wonderful glaze for both oxidation and reduction.

Variation on Blue Hare's Fur
Cone 6 oxidation

Furnished by Ralph McLain

Nepheline Syenite	47.30%
Gerstley Borate	27.00
Silica	20.30
EPK	5.40
	TOTAL: 100.00%
add Red Iron Oxide	2.00%
Cobalt Oxide	1.00
Rutile (milled)	4.00
Bentonite	2.00

This produces a reddish brown base below the blue (fur). Reduce the Red Iron Oxide to .5% or 1%, and add .5% Black Iron Oxide and .5% Cobalt Carbonate for softer blues in the "fur." Very glossy.