

# Blue Glazes – Cone 06

## Copper Blue c06 (Utah)

Lithium	26.9
EPK	13.6
Flint	53.9
Copper Oxide	3.7
Bentonite	2.8

## Copper Blue c05-04 (Utah)

Colemanite	38.7
Neph Sy	10
Lithium	4.2
EPK	5.4
Flint	41.7
Copper	4

## Sky Blue (Utah)

3110	76.3
Colemanite	5.7
EPK	10
Flint	10
Copper	4
Bentonite	2
Tin	2

04-06  
 Date: 7/19/95  
 Potash Feldspar 15.79  
 Dolomite 10.53  
 Gerstley Borate 26.32  
 Silica 10.53  
 Barnard Clay 36.84  
 Total: 100.00  
 Also add: (colorants, etc.)  
 Cobalt Oxide 2.11  
 Copper Oxide 11.58

### Copper Blue Glaze (Cone 05-04)

Colemanite	38.7%
Lithium Carbonate	4.2
Nepheline Syenite	10.0
Edgar Plastic Kaolin	5.4
Flint	41.7
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	100.0%
Add: Copper Carbonate	4.0%

### Ferguson Blue Glaze (Cone 06-04)

Colemanite	5%
Soda Ash	10
Frit 3110 (Ferro)	70
Kaolin	5
Flint	10
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	100%
Add: Copper Carbonate	3%

### EG-84 Turquoise Blue Glaze (Cone 06)

Baking Soda	30.5%
Lithium Carbonate	8.5
Kaolin	22.5
Flint	38.5
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	100.0%
Add: Tin Oxide	5.0%
Copper Carbonate	2.5%
Bentonite	1.0%

### UB40 Base Glaze Cone 06-04

Nepheline Syenite	4.15
Gerstley Borate	31.50
Whiting	16.60
Lithium Carbonate	8.30
EPK	4.15
Flint	35.00

Finnerty likes this glaze over textured areas, especially with oxides and/or terra sigillatas underneath. Try the following additions:

Red Rust: Rutile	10%
Saturn Orange stain	3%
Blue-Green: Copper Carbonate	4%
Rutile	4%

### Bamford Base Glaze Cone 06-04

Frit 3134	54.0
Zinc Oxide	26.0
OM#4 Ball Clay	13.0
Flint	7.0

This sugary semimat glaze has a propensity to move. For colors try the following additions:

Purple: Manganese Carbonate	4.0%
Cobalt Carbonate	0.5%
Blue: Copper Carbonate	3.0%
Cobalt Carbonate	0.5%

### \* Dry Base Glaze

- Frit 3195	900g
- OM4	100g
- Zircopax	40g
- Magnesium Carb	10g
- CMC	5g

### \* Blue/Dark Green Glaze

- Dry Base Glaze
- 2% Chrome Oxide
- 1% Cobalt Oxide

Woodys Blue  
 3124 - 80  
 Talc - 13  
 EPK - 7  
 copper carb 3 2%

### Ferguson Blue c06-04 (1)

3110	7000
Colemanite	500
Flint	1000
Soda Ash	1000
Kaolin	500
Copper Carb.	300
total	10300

### Copper Blue Glaze (Cone 05-04)

Colemanite	38.7%
Lithium Carbonate	4.2
Nepheline Syenite	10.0
Edgar Plastic Kaolin	5.4
Flint	41.7
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	100.0%
Add: Copper Carbonate	4.0%

### Lana's Almost Stable Blue Glaze (Cone 06)

Lithium Carbonate	27 grams
Bentonite	3
Kaolin	21
Flint	48
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	99 grams

For blue green, add 4-5 grams copper carbonate; for cobalt blue, add 2 grams cobalt carbonate.

### VARDA'S BLUE-GREEN

19 NEPHELINE SYENITE
40 BARIUM CARB.
5 LITHIUM CARB.
10 FLINT
19 EPK
7 COPPER CARB.

### Matt Copper Blue Glaze Cone 03

Calcium Oxide	5%
Lithium Carbonate	22
Kaolin	15
Silica (Flint)	58
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	100%
Add: Copper Carbonate	5%
Bentonite	3%

**John's Blue Cone 04-01**

Classic, crazy soda glaze. Intense colours

3110	76.3
Gherstley Borate	5.7
EPK	7.1
Flint	10
CMC Gum	1

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Tourq	3	Copper Carbonate
Dark Tourq	6	Copper Carbonate
Blue	4	Copper 1/2 Cobalt Carbonate
Lime	2	Copper Carbonate 1/8 Chrome Oxide

**Gill's Blue cone 05/04**

Colemanite	5.8	5.8
E.P.K.	7.2	7.2
F3110	7	
Flint	10.1	1
Copper Carb	6	

**WATER BLUE 406**

73 FRIT 3110  
 7 GERSTLEY BORATE  
 10 FLINT  
 7 KAOLIN  
 3 ZINC  
 4 COPPER CARB.

**Satin Matt Baby Powder Glaze (Cone 04)**

Talc or Baby Powder	13.86
Frit 3124 (Ferro)	72.28
Ball Clay	13.86

Mix with water; sieve  
add colorants

**Soda Blue Glaze (Cone 06-04)**

Gerstley Borate	3500	grams
Soda Ash	500	
Frit 3110 (Ferro)	3500	
Kaolin	250	
Flint	500	
	8250	grams

Add: Copper Carbonate .. 150 grams

Produces a beautiful translucent water blue; also works well as a raku glaze.

**Glaze VI 05 Variation b**

Sharon W.

Gerstley Borate	53
Whiting	6.9
Zinc Oxide	5.5
EPK	8.9
Flint	25.7
Bentonite	2
Rutile	5
Copper Carbonate	2

**\* John Gill Blue**

- Frit 3110	750g
- Flint	100g
- EPK	70g
- Copper Carb.	70g
- Gerstley Borate	60g

**Nick Bonner's Blue**

5301	25
Kona F4	35
Lithium Carb.	10
EPK	5
Flint	25
Copper Carb.	3

**Lana's Almost Stable Blue Glaze (Cone 06)**

Lithium Carbonate	27	grams
Bentonite	3	
Kaolin	21	
Flint	48	
	99	grams

For blue green, add 4-5 grams copper carbonate; for cobalt blue, add 2 grams cobalt carbonate.

**Val's Alkaline Matt Opaque c04**

Ferro frit 3110	56
Neph Sy	8
Barium Carbonate	14
Lithium Carbonate	6
Flint	6
EPK China Clay	10

\* Blue: Add 4% cop. carb.  
 Yellow: Add 8% Vanadium St.

**Blue 11 (Utah)**

3110	65
Colemanite	5
Soda Ash	10
EPK	10
Flint	10
Copper	2

**Lithium Blue Matt c06 (Weird Dry Surface)**

Flint	52
Lithium Carb.	26.5
Kaolin	11.5
Copper Carb.	3.7
Whiting	3.3
Bentonite	1
Bone Ash	1

**Opalescent Blue Glaze (Cone 06)**

Gerstley Borate	65.00%
Spodumene	18.00
Georgia Kaolin	11.00
Flint	6.00
	100.00%

Add: Cobalt Carbonate ..... 0.25%  
 Rutile ..... 3.00%

**John's Blue Glaze (Cone 04)**

Frit 3110 (Ferro)	77.00%
Gerstley Borate	5.75
Edgar Plastic Kaolin	7.16
Flint	10.09
	100.00%

Add: CMC Gum ..... 1.01%  
 Copper Carbonate ..... 3.53%

**C-04 Nelson**

Lithium Blue	
LiCo <sub>3</sub>	26.9
EPK	13.6
S <sub>1</sub> O <sub>2</sub>	53.9
Bentonite	2.8
CuCo <sub>3</sub>	3.7

**Lithium Blue Glaze (Cone 05-03) 07**

Lithium Carbonate	29.0%
Georgia China Clay	14.4
Flint	56.6
	100.0%

Add: Copper Carbonate ..... 3.7%  
 Bentonite ..... 2.8%

**C-04 Kenny**

Gerstley Borate	30
Pot Spar	45
Zinc	5
BaCo <sub>3</sub>	6
EPK	4
S <sub>1</sub> O <sub>2</sub>	10
CuCo <sub>3</sub>	2 1/2

WATER  
37

**Saphire Blue cone 04 ox/**

Frit 3124.....	78
Kona F4.....	14
Whiting.....	6
E.P.K.....	2
CMC.....	1
Cobalt carb.....	1

Semi-Matte, Opaque.

Can substitute 4% copper carb for cobalt;

**Ferguson's Blue cone 05**

Frit 3110.....	70
Colemanite.....	5
Flint.....	10
Soda Ash.....	10
Kaolin.....	5
Copper carb.....	3

**Varda's cone 010/04 ox/**

Nephy Sy.....	20
Barium carb.....	43
Lithium carb.....	5
Flint.....	11
E.P.K.....	20

Add: Copper carb.....4-7%

Matte Crackle, Opaque.

Brilliant Blue.

**#28 Bright Turquoise (Utah)**

3134	50
Soda Spar	35
Whiting	5
China Clay	4
Flint	6
Copper Ox.	1%

**#29 Bright Turquoise Blue (Utah)**

3134	42
Colemanite	22
Whiting	7
Feldspar	20
Bentonite	5
Flint	4
Copper Ox.	3
Cobalt Ox.	5

**#24 Muted Turquoise (Utah)**

3134	55
Whiting	6
Ball Clay	8
Zirc. Silicate	18
Rutile	8
Copper Carb.	3
Cobalt Ox.	2

**#25 Mottled Dark Turquoise (Utah)**

3134	75
Ball Clay	15
Zirconium Sil.	10
Copper Carb.	6%
Cobalt Ox.	3%

**#26 Mottled Turquoise Green (Utah)**

3134	75
Ball Clay	15
Zirc.Sil.	10
Copper Carb.	5%

**Woody's Blue c04-02**

3124	80
Talc	13
EPK	7
Copper Carb.	2%

**Water Blue c04-02**

Gerstley Borate	5.8
EPK	7.2
3110	76.9
Flint	10.1
Cop. Carb.	3-6%

**1-2-3 Higby Clear**

- 1 part Flint
- 2 part EPK
- 3 part Colemanite

**Blue Green Pattern cone 04 ox/**

Barium carb.....	4.4
Lithium carb.....	4.4
Gerstly Borate.....	30.8
Custer.....	24.4
E.P.K.....	5.4
Flint.....	30.8

Add: Tin ox.....6.5%

Black Copper ox.....3.5%

Semi-Glossy, Opaque.

**Semi-Matt Turquoise c04-01**

3134	50
Ball	5
Cop. Carb.	4
Zirco.	15

**Deep Alkaline Turq. Glaze**

frit 3195	19
frit 3110	57
gerstley borate	10
EPK kaolin	9
flint	10
copper carbonate	5
bentonite	2

**G 3021 Dennis's Lithium Blue**

Flint	53.9	Temperature	C/04
Lithium carbonate	27.0	Surface @ C/04	Matt
Georgia kaolin	13.6	Fluidity	None
Bentonite	2.8	Stain penetration	All
Copper carbonate	2.6	Opacity	Translucent
	99.9	Color / oxidation	Blue/Green (93/97)

**Clear Gloss cone 05/03**

Frit 3110	70
Gerstly Borate	8
Flint	6
Grolleg	10
Zinc ox	3

Add: Bentonite.....2%  
 Water Blue//Copper carb.....4%  
 Amber//RIO.....2%  
     Rutile.....4%  
 Dark Blue//Copper carb.....0.5%  
 Mason Stains.....10-15%  
 Very glossy at cone 03 and satin like at temp  
 than cone 04.

**Bate's Blue cone 04 ox/**

Borax	25
Spodumene	25
E.P.K.	50
Add: Blue/Green//Teal	6%
Blue//Cobalt carb	2%
Mottled Green//Copper carb	5%
Rusty Brown//Iron	5%
Green//Chrome ox	3%
lt. Purple//Lavender	10%
Golden Yellow//Rutile	5%

Matte, Opaque.

Will tend to crack off if applied too thick

**Water Blue cone 05/04**

Frit	76.3
Colemanite	5.7
E.P.K.	7.1
Flint	10
Copper carb	4
Bentonite	2

**G 3018 Alfred University**

Flint	39.7	Temperature	C/06
Potassium nitrate	21.9	Surface @ C/06	Gloss/matt
Soda ash	11.5	Fluidity	Fluid
Whiting	10.5	Stain penetration	None
Black copper oxide	8.9	Opacity	Opaque
Boric acid	4.7	Color / oxidation	Purple matt over glossy blues (118/93)
Magnesium carbonate	2.8		
	100.0		

**Terra Cotta Green Glaze c04**

(Arnie Zimmerman, Alfred)

3304 (3110)	80
Talc	13
EPK	7
Copper Carb.	2%
*1% Cobalt Carb.	for blue.

**Terra Cotta Alkaline Blue c04**

(Arnie Zimmerman, Alfred)

3110	65
Colemanite	5
Soda Ash	10
EPK	10
Flint	10
Copper Carb.	2%

**TURQUOISE MATTE D04**

Lepidolite	14
Spodumene	14
Lithium carb	14
gerstly borate	28
Zircopax	14
Copper carb.	4

try other oxides instead of  
 copper carb for other varieties  
 of mason stains.

**Tolson c04 (Utah)**

Flint	30
Lithium	20
Petalite	38
Talc	5
Barium	5
Bentonite	2
Copper	2.5

**Alkaline Blue c04 (Utah)**

3110	65
Colemanite	5
Soda Ash	10
EPK	10
Flint	10
Copper	2