

White Glazes – Cone 06

Opaque White 04 3124 50 Frit 3110 70 Gerstley Borate 5 Flint 12 Soda Ash 10 EPK 5 Bentonite 2 Zircopax 15		Satin Opaque White c04 (Alfred) 3124 40 3304 40 Talc 11 EPK 9 * +4% tin ox.		C-06 Majolica White Matt Frit 3124 70 Ball 7 Tin 23	
Semi-Matt Base c04-01 (KC) 3124 50 Ball Clay 5 Zircopax 15		FAT WHITE 04-01 3191 65 Ball 20 Coleman 10 Kaolin 15 Zircopax 20		Dense Waxy White Glaze (Cone 6) Whiting 14.72% Custer Feldspar 46.86 Georgia Kaolin 8.33 Flint 30.09 100.00% Add: Tin Oxide 4.33% Titanium Dioxide 4.33% Zinc Oxide 8.23% Bentonite 3.25%	
Andrea Gill's Majolica c04 (Penland School) 3124 66 F-4 Feldspar 18 EPK 10 Neph Sy 6 Zircopax 15 Bentonite 3		Shaner White Glaze (Cone 06) Frit 3124 (Ferro) 71.42% Ball Clay 14.29 Flint 14.29 100.00% For color, add 0.50%–2.00% oxide or 5.00%–10.00% stain. Works well with onglaze pigments made of 10% Gerstley borate and 90% stain.		Ron Roy RRA3j Matt Glaze (Cone 04) Wollastonite 35.95% Frit 3134 (Ferro) 32.59 Nepheline Syenite 25.84 Kentucky Ball Clay (OM 4) 5.62 100.00% Add: Bentonite 1.67% Zircopax 11.23	
Stan's Majolica (Penla) 3124 55 Ball Clay 10 Flint 10 Zircopax 8		Milky White Glaze (Cone 06) Frit 3134 (Ferro) 88.80% Georgia Kaolin 11.20 100.00% Add: Zircopax 5.00% CMC Gum 0.25%		11.) DOT NJ's BASIC 40 FRIT 3124 30 FRIT 3134 14 KONA F-4 2 EPK 2 BENTONITE + 8 TIN OXIDE 1 RVTLE WARM WHITE MAJOLICA	
Shaner White (Adjusted to a little lower than c06) 3124 55 Ball 5 Flint 10 Zircopax 5		C-04 White Crackle Frit 3124--85 Tin Ox-----15		MAJOLICA cone 04 Frit 3124.....100 Ball Clay..... 4 Kaolin..... 15 Zircopax..... 24	
Majolica Cone 04-02 Frit 3124 (Ferro)..... 66.3% Frit 3110 (Ferro)..... 15.9 Frit 5301 (Ferro)..... 0.5 EPK (Edgar Plastic Kaolin) ... 17.3 100.0% Add: Zircopax..... 15.9% Veegum T..... 1.6% CMC Gum..... 0.5% For soft color, add 7% stain.		Colorants: a) 5% Pot Dich, 3% Fe b) 5% Raw Umber c) 2% Mang Diox			
Fat White c04-01 (KC) 3141 65 Ball Clay 20 Colemanite 10 Kaolin 15 Zircopax 20		Boron Gloss White Glaze (Cone 04) Gerstley Borate..... 39.15% Ball Clay..... 18.40 Flint..... 42.45 100.00% Add: Opax..... 5.00%			
Shaner White c06 3124 50 Ball 10 Flint 10 Zircopax 5		Majolica c04-01 (KC) 3124 100 Barium C. 4 Zircopax 24 Kavlin 15			

J.P. 4/06-05

20 GERSTLEY BORATE
 30 LITHIUM CARB
 10. CRYOLITE
 25 ZIRCOPAX
 15 SPODUMENE

1% COBALT CARB = BLUE
 3% COPPER CARB = TURQ.
 2% RED IRON OX = IVORY
 10% ZIRCOPAX = WHITE
 TRY W/ VARIOUS ADDITIONS
 OF OXIDES AND/OR STAINS

⑤ Majolica - Alfred very nice

3124 - 80.
 3304 - 65.
 EPK - 5.
 Zircopax - 7.
 Tin Oxide - 2.
 Rutile - .1

F/4 - 32.

Lith Carb 200 grams per 5000 grs

Val's Glossy White Opaque c04

3124 80
 EPK China Clay 8
 Zircopax 12
 *for rich turquoise
 +2% Bl. Copper Ox.
 for tan fawn
 +5% Red Iron Ox.

CONE 04 GLAZES

Christopher Gustin's White

Frit 3124 (Ferro)	40
Gerstley Borate	30
Nepheline Syenite	25
Flint	5
+ Zircopax	8

Majolica Base Glaze

(Cone 03)

Barium Carbonate	3.29%
Edgar Plastic Kaolin	14.99
Frit 3124 (Ferro)	61.60
Frit 3134 (Ferro)	11.33
Glomax (Calcined Kaolin)	4.68
Flint	4.11
	100.00%

Add: Superpax 16.43%

Mix in a gum solution (CMC) or liquid starch as a glaze binder.

Majolica Overglaze

(Cone 03)

Lithium Carbonate	7.14%
Edgar Plastic Kaolin	7.14
Frit 3292 (Ferro)	85.72
	100.00%

Add: Tin Oxide 5.72%
 Commercial Stain 42.86%

*** Majolica White Glaze**

- Frit 3124 1000g
- Zircopax 240g
- EPK 120g
- Barium Carb 40g
- CMC 5g

Crackle White Glaze

Cone 02

Magnesium Carbonate	33.3%
Frit 3110 (Ferro)	66.7
	100.0%

Add: Zircopax 11.0%

Increasing magnesium carbonate increases the dry crackle effect.

Increasing frit lessens the crackle effect and fluxes (melts) the glaze.

Kansas City White Pink Glaze

(Cone 07-05)

Frit 3134 (Ferro)	90%
Edgar Plastic Kaolin	10
	100%

Add: Tin Oxide 10%

Tom Bartel's Toad Belly

(Cone 04-02)

Borax	19%
Gerstley Borate	37
Magnesium Carbonate	37
Silica (Flint)	7
	100%

Add: Zircopax 15%

This off-white glaze is dry, and it cracks. More borax may be needed when fired to Cone 04.

Batr Majolica

frit 3124	100
barium carbonate	4
EPK	15
zircopax	20-24

Majolica

frit 3124	65.75
F-4 feldspar	17.24
Avery or EPK	10.82
neph sy	6.24
tin	5
zircopax	10
bentonite	2

Walter's Majolica

frit 3124	30
frit 3195	20
frit 3134	20
neph sy	14
EPK	2
zircopax	12
bentonite	2

15. COA SMOOTH SATIN

80 FRIT 3292
10 WHITING
5 FLINT
5 EPK

+ 10 ZIRCOPAX OR 5 TIN FOR SATIN OPAQUE WHITE

Matthias' Majolica Glaze

(Cone 05)

Frit 3124 (Ferro)	83.34%
Ball Clay	8.33
Edgar Plastic Kaolin	8.33
	100.00%

Add: Zircopax 11.11%
 Rutile 1.11%

Shaner White Glaze

(Cone 06)

Frit 3124 (Ferro)	71.42%
Ball Clay	14.29
Flint	14.29
	100.00%

For color, add 0.50%-2.00% oxide or 5.00%-10.00% stain. Works well with onglaze pigments made of 10% Gerstley borate and 90% stain.

WOM Glaze

(Cone 04)

Whiting	7%
Frit 3124 (Ferro)	77
Kona F-4 Feldspar	14
Edgar Plastic Kaolin	2
	100%

Add: Superpax 10%
 Tin Oxide 5%
 Bentonite 1%

Gill Majolica c06

3195	66
Kona F 4	17
EPK	11
Neph sy	6
Tin Oxide	10
Bentonite	2

Majolica (Alfred)
 3124 80
 3304 65
 EPK 5
 Zircopax 7
 Tin Ox. 2
 Rutile .1
 F4 32
 * 4% Lithium Carb
 200 grams per 5000 gram batch

Clear (Alfred) c04
 Colemanite 5000
 Neph Sy 1500
 OM4 1125
 Flint 1375
 EPK 625
 Opax 288.75

Majolica c04-02
 3124 80 2400
 3304 65 1950
 EPK 5 150
 Zirco 7 210
 Tin Ox. 20 600
 Bentonite 2 125
 Mason Golden
 Brown 6 37
 F4 32 960

Glossy Milk - White Opaque c04 (Alfred)
 3124 75
 Talc 5
 EPK 5
 Zircopax 15

Val's White, Glossy, Opaque, Majolica Glaze c04
 Ferro frit 3124 30
 Ferro frit 3195 20
 Ferro frit 3134 20
 Neph Sy 14
 EPK China Clay 2
 Zircopax 12
 Bentonite 2
 * Add CMC powder (about 1 oz. to 5000 gms. glaze) to harden the dry glaze for better overglaze painting.

Val's White, Opaque, Softer Satin Majolica Glaze c04
 Ferro Frit 3124 39
 Ferro Frit 3195 39
 Talc 10
 EPK China Clay 8
 Flint 4
 * Plus 10% Zircopax

~~406 BFR3~~
 406 BFR3

30 FRIT 5301
 30 BORIC ACID
 10 BONE ASH
 9 LITHIUM
 3.5 MAGNESIUM CARB.
 3.5 TIN
 5.0 ZIRCOPAX
 10 Pb 83
 2 CMC

2) Δ06 JACQUE'S BASE
 30 GERSTLEY BORATE
 10 LITHIUM CARB.
 5 NEPHELINE SYENITE
 5 EPK
 42 FLINT

10 WHITING / COMMERCIAL STAINS
 5 TIN - OPAQUE

406 BFR4

SAME AS BFR3
 - EXCEPT -
 SUBSTITUTE
 FL 3110 FOR Pb 83

↓
 10 FRIT 3110

30) Δ06 G100 R

35 FLINT
 12 LITHIUM CARB.
 8 FRIT 3110
 10 EPK
 10 BONE ASH
 6 KONA F-4
 5 TIN
 2 CMC POWDER
 10 Pb 83 FRIT

Paul's Majolica cone 05/04

Frit 3124.....55
 EPK.....30
 Flint.....15
 Zircopax.....17

Andersen Majolica

frit 3124 55
 ball clay 10
 flint 10
 zircopax 8

Bill's Majolica Δ04

FRIT 3124 65.75
 KONA F-4 17.14
 TILE -6 10.82
 Neph. syenite 6.29
 ZIRCOPAX 4.
 Rutile .5
 Bentonite 2.

31) Δ06 ROBIN'S BASE

60 FRIT 5301
 20 BONE ASH
 10 LITHIUM CARB.
 10 ZIRCOPAX

+ 2 CMC

406-04 BF BASE

30 BORIC ACID
 30 FRIT 5301
 10 BONE ASH
 7.5 SODA ASH
 3.5 MAGNESIUM CARB.
 5.8 LITHIUM
 7.5 FLINT
 12.7 ZIRCOPAX
 1 CMC

406-04 "B" BASE

60 BORIC ACID
 15 FLINT
 15 SODA ASH
 7 MAG. CARB.
 1.7 LITHIUM
 15 ZIRCOPAX
 1 CMC

② C/04. WHITE. GLOSSY. OPAQUE
MAJOLICA GLAZE.

FERRO FRITT #3124 - 30
 FERRO FRITT #3195 - 20
 FERRO FRITT #3134 - 20
 NEPHELINE SYENITE - 14
 EPK - 2
 ZIRCOPAX - 12
 BENTONITE - 2

*ADD CMC POWDER (ABOUT 10% TO HARDEN THE DRY GLAZE FOR BETTER OVERGLAZE PAINTING)
 (5000 GRMS. GLAZE.)

② C/04. WHITE. SATIN. OPAQUE
SOFTER SATIN MAJOLICA.

FERRO FRITT #3124 - 39
 FERRO FRITT #3195 - 39
 TALC - 10
 E.P.K. - 8
 FLINT - 4

+ ZIRCOPAX - 10%

Kansas City Fake Majolica Glaze
c06-04 (Kathy Ervin)

Barium Carbonate 3.36
 3124 84.03
 Kaolin 12.61
 *Add Zircopax...12.61

White Majolica c06-03

3124 65.75
 F 4 spar 17.14
 Avery 10.82
 Neph Sy 6.24
 Tin 5.0
 Opax 10.0
 Bentonite 2.0
 Golden Brown Stain or Red Iron .5

*Colorants over Maj.:

Black: 1 part Bl. Iron Ox.
 1 part Gerst. Bor.
 Dk. Blue: 1 Cop. Carb.
 1 Cobalt
 1 G.B.
 Lt. Brown: 1 Rutile
 3 G.B.
 Turquoise: 1 Cop. Carb.
 1 G.B.
 Lt. Green: 1 Victoria Gr.
 1 Chrome
 2 G.B.
 Br. Yellow: Primrse Yel. M.S.>

29) Δ06 JACQUE'S BASE
 38 GERSTLEY BORATE
 10 LITHIUM CARB.
 5 NEPHELINE SYENITE
 5 EPK
 42 FLINT
 + 10 WHITING / COMMERCIAL STAINS
 + 5 TIN - OPAQUE

30) Δ06 G100 R
 35 FLINT
 12 LITHIUM CARB
 8 FRIT 3110
 10 EPK
 10 BONE ASH
 6 KONA F-4
 5 TIN
 2 CMC POWDER

31) Δ06 ROBIN'S BASE
 60 FRIT 5301
 20 BONE ASH
 10 LITHIUM CARB.
 10 ZIRCOPAX
 + 2 C.M.C

10) Δ04 BILL'S BASIC
 65.77 FRIT 3124
 17.14 KONA F-4
 10.82 TILE 6
 6.29 NEPHELINE SYENITE
 + 14.00 ZIRCOPAX
 .5 RUTILE
 WARM WHITE MAJOLICA BASE

Jackeeze Matt Cone 04

Add the Lithium after screening the other ingredients.

Gherstley Borate 35
 Neph Syenite 5
 EPK 5
 Flint 42
 Lithium Carbonate 8
 Tin Oxide 5
 CMC Gum 1

Green 3 Copper Carbonate
 Blue 2.5 Copper Carbonate
 1/4 Cobalt Carbonate
 Pink 5 Pink Stain
 Grey 10 Silver Stain

Add 5-10% Whiting along with stains (Chrom Victoria Green, etc.) that need the presence of Cal will enhance the colour.

#8 Opaque Milky White (Utah)

3134 80
 Ball Clay 10
 Zirc. Sil.10

#10 Opalescent Blue White (Utah)

Colemanite 75
 Feldspar 15
 Ball Clay 10

#11 Shiny White Glaze (Utah)

3134 80
 Ball Clay 9
 Zirc. Silicate 11

14) Δ04 TRANSLUCENT SATIN
 18.2 LITHIUM CARB
 25.0 LEAD BISILICATE
 7.5 BONE ASH
 6.3 KONA F-4
 10.7 EPK
 24.0 FLINT
 6.6 ULTRAX
 2.0 BENTONITE

18) Δ04 SATIN

39 FRIT 3124
 39 FRIT 3195
 10 TALC
 8 EPK
 4 FLINT
 + 10 ZIRCOPAX
 WHITE OPAQUE MAJOLICA