

Clear Glazes – Cone 06

G 3002 Cream-Yellow			
Frit #3110 FERRO (leadless)	92.0	Temperature Surface @ C/015	C/015 Semigloss
Tennessee ball	5.5	Fluidity	None
Lead chromate	1.5	Stain penetration	All
Tin oxide	1.0	Opacity	Translucent
	100.0	Color / oxidation	Cream-yellow (4)
G 3003 Transparent			
Frit #25 (leadless)	65	Temperature	C/015
Lithium carbonate	16	Surface @ C/015	Gloss
Gerstley borate	16	Fluidity	None
Tennessee ball #1	3	Stain penetration	All
	100	Opacity	Transparent
		Color / oxidation	Clear
		NOTE: Some cracks	
Yellow ochre	7	Color / oxidation	Light brown (29)
Uranium	6	Color / oxidation	Slight yellow (4)
Chrome oxide	3	Color / oxidation	Bright chrome green (129)
Nickel carbonate	3	Color / oxidation	Light gray-brown (36)
G 3004 Semigloss			
Frit #25 PEMCO	55	Temperature	C/015
Colemanite	45	Surface @ C/015	Semigloss
	100	Fluidity	Little
		Stain penetration	All
		Opacity	Transparent when thin
			Translucent when thick
		Color / oxidation	Slight white (16)
G 3005 Leadless			
Frit #25 PEMCO	44	Temperature	C/015
Frit #3124 FERRO (leadless)	26	Surface @ C/015	Semigloss
Flint	14	Fluidity	None
Lithium carbonate	10	Stain penetration	All
Georgia china clay	6	Opacity	Transparent
	100	Color / oxidation	Clear
		NOTE: Some cracks	
Orange ferrite	3	Color / oxidation	Tan (38)
G 3006 Gloss			
Frit #3230 FERRO (leadless)	43.5	Temperature	C/015
Frit #25 PEMCO	53.1	Surface @ C/015	Gloss
Lithium carbonate	3.4	Fluidity	None
	100.0	Stain penetration	All
		Opacity	Transparent
Bentonite	1.0	Color / oxidation	Slight white (16)
Antimony	8.0	Opacity	Opaque
Cobalt carbonate	0.5	Color / oxidation	Medium blue (59)
G 3007 Water Clear			
Gerstley borate	42.4	Temperature	C/015
Frit #25 PEMCO	25.3	Surface @ C/015	Gloss
Flint	18.2	Fluidity	Little
Cryolite	9.1	Stain penetration	All
Lithium carbonate	5.0	Opacity	Transparent
	100.0	Color / oxidation	Water clear
		NOTE: Some cracks	
Chrome oxide	1	Opacity	Opaque
Yellow base (ochre)	6	Color / oxidation	Grass green (125)
Tin oxide	2		
G 3011 Leadless			
Frit #14 HOMMEL (leadless)	81	Temperature	C/010
Georgia kaolin	10	Surface @ C/010	Semi-matt
Whiting	9	Fluidity	Little
	100	Stain penetration	All
		Opacity	Transparent
		Color / oxidation	Clear
Zinc oxide	6	Opacity	Translucent
Tin oxide	16	Color / oxidation	Light green (135)
Antimony oxide	22		
G 3012 Leadless Bright Gloss			
Frit #24 PEMCO	56	Temperature	C/010
Lithium carbonate	19	Surface @ C/010	Bright gloss
Uranium (black)	17	Fluidity	Fluid
Magnesium carbonate	5	Stain penetration	None
Tin oxide	2	Opacity	Translucent when thin
Bentonite	1		Opaque when thick
	100	Color / oxidation	Bright rich brown (154)
Egyptian Blue Gloss Cone 015			
78.5	Frit # 3134		
19.5	Lithium Carbonate		
2.0	Copper Oxide		
Chrome Red Gloss Cone 015			
78.5	White Lead		
5.5	Lithium Carbonate		
16.0	Flint		
2%	Bentonite		
3.5	Green Chrome Oxide		
CONE/014			
G 3008 High Gloss			
Frit #5301 (leadless)	55	Temperature	C/014
Barium carbonate	15	Surface @ C/014	High gloss
Lithium carbonate	15	Fluidity	Some
Whiting	6	Stain penetration	All
Georgia china clay	6	Opacity	Transparent
Flint	3	Color / oxidation	Water clear
	100	NOTE: Some cracks	

(10) Δ06 G65	(11) Δ06 RUBINS BASE
76 GERSTLEY BORATE	60 FRIT 530
20 LITHIUM CARB	20 BONE ASH
10 NEPHELINE SYENITE	10 LITHIUM CARB
10 EPK	10 ZIRCOPAX
84 FLINT	+ 2 CMC
+ 30 WHITING W/ STAINS	
+ 10 TIN = OPAQUE	

(13) Δ04 SATIN 80 FRIT 3292 10 WHITING 5 FLINT 5 EPK + 10 ZIRCOPAX ^{OR} 5 TIN	Δ06 (14) FB TRANSLUCENT 40 FRIT 3247 30 FRIT 5301 10 BONE ASH 10 ZIRCOPAX 5 WHITING 5 LITHIUM CARB 2.5 EPK 2.5 FLINT 2.5 ZINC	(15) G100R Δ06 35 FLINT 19 LITHIUM * 18 Pb 83 (FRIT) 10 EPK 10 BONE ASH 6 F-4 SODA SP + 5 TIN 2 CMC * TRY SUBSTITUTING FRIT 3304
(16) BFR3 Δ06 30 FRIT 5301 30 BORK ACID 10 BONE ASH 9 LITHIUM CARB * 10 Pb 83 3.5 MAGNESIUM CARB • [3.5 TIN] 5 ZIRCOPAX 2 CMC FRIT 3304 TEST W/OUT TIN	(17) EG44 SATIN Δ08 76.8 GERSTLEY BORATE 10.2 EPK 7.9 FLINT 5.1 WOLLASTONITE 2.0 BENTONITE + 5 WHITING W/ STAINS	(18) Δ010 AC'S SANDS 150 BALL CLAY 70 FRIT 3819 25 LITHIUM 5 MAGNESIUM 5 WHITING 2 CMC BEST IF SPRAYED

G 3022 Newcomb Matt Leadless

Frit #2106 HOMMEL	47.0	Temperature	C/04
Oxford feldspar	23.2	Surface @ C/04	Gloss/semigloss
Georgia kaolin	16.5	Fluidity	None
Whiting	5.5	Stain penetration	Darks
Flint	5.0	Opacity	Opaque
Tin oxide	2.8	Color / oxidation	White (7)
	100.0		

Clear Glaze "B"

(Cone 06)

Cornwall Stone	5.00 %
Frit 25 (Pemco)	95.00
	100.00 %
Add: Bentonite	3.00 %
CMC Gum	0.25 %

An excellent clear glaze to spray over colored casting bodies.

Clear Matt Glaze "B"

(Cone 06)

Lithium Carbonate	8.00 %
Frit 25 (Pemco)	84.50
Georgia Kaolin	7.50
	100.00 %
Add: Bentonite	3.00 %
CMC Gum	0.25 %

Gloss Clear c06

3195	90
EPK	10

Clear G78

Colemanite	38
Potash	37
Barium Carb.	14
Flint	11

Gloria's Ace #1 c04

Silica	42
Gers. Bor.	38
Lithium Carb.	10
Neph Sy	5
EPK	7
Tin Oxide	5
* Add 8% Mason Stain	

Low-Fire Glaze

(Cone 06)

Soda Ash	6 %
Frit 3110 (Ferro)	15
Bentonite	4
Tennessee Ball Clay (10)	30
Flint	45
	100 %

This leadless glaze is slightly soluble be-

Shiny Clear

gerstley borate	55
EPK	30
flint	15

Venus Glaze Cone 06-04

Frit 3304	51.0
Lithium Carbonate	26.1
EPK	22.2

Because this glaze contains a lead frit Finnelly restricts its use to ware such as candle- and flowerholders. She enjoys its propensity to yield crystal-like results when layered over other glazes.

V.C. Clear Base Glaze Cone 06-04

Nepobeline Syenite	20
Frit 3124	30
Gerstley Borate	26
Lithium Carbonate	4
EPK	10
Flint	10

This shiny base takes colorants well:

Yellow: Vanadium Stain 6404	8%
Purple: Pansy Purple Stain	8%
Green: Copper Carbonate	5%

Birdsong Clear Glaze

(Cone 06-03)

Gerstley Borate	30 %
Frit 3134 (Ferro)	25
Edgar Plastic Kaolin	30
Flint	15
	100 %

Soda-Fluxed Glaze

(Cone 04-03)

Frit 3110 (Ferro)	63 %
Frit 3124 (Ferro)	9
Gerstley Borate	10
Edgar Plastic Kaolin	7
Flint (Novacite)	11
	100 %

Val Cushing's High Boron, Glossy, Semi Transparent Glaze c04

Gerstley Borate	50
K-200 feldspar	34
Flint	10
EPK China Clay	6

Ron Meyers' Transparent Glaze

(Cone 04-4)

Frit 3124 (Ferro)	72.73 %
Bentonite	9.09
Edgar Plastic Kaolin	9.09
Flint	9.09

Barb's Gloss c04 (Utah)

3124	79.2
EPK	6.6
Neph Sy	13.2

④ Base Glaze ⑥

Lt. Carb	3.8
Neph Sy	9.4
Bent.	1.9
EPK	9.4
3124	75.5
EPK Carb S10	2.0

Deb's Clear #1 (Cone 04-03)

Frit 3195	42.65%
Frit 3194	28.43
EPK	23.70
Bentonite	1.90
Lithium Carbonate	1.90
Zinc Oxide	1.42
TOTAL:	100.00%

Add .5% Cobalt Carbonate and 1% Manganese Dioxide for purple, 6% Copper Carbonate for dark green, 6-8% Yellow Stain for yellow.

Pete's Matte (Cone 05-03)

Spodumene	45.46%
Gerstley Borate	27.27
Flint	18.18
Stain	9.09
TOTAL:	100.00%

Clear Glaze (Cone 03)

Gerstley Borate	30%
Frit 3195 (Ferro)	30
Nepheline Syenite	20
EPK (Edgar Plastic Kaolin)	10
Silica (Flint)	10
	100%

Apply thinly to bisqueware.

Recipe 1 (Cone 04)

Borax	20%
Gerstley Borate	25
Magnesium Carbonate	25
Silica (Flint)	5
	100%

Recipe 2 (Cone 04)

Borax	27%
Gerstley Borate	33
Magnesium Carbonate	34
Silica (Flint)	6
	100%

Leadless Clear Glaze (Cone 06)

Gerstley Borate	13.3%
Magnesium Carbonate	10.8
Nepheline Syenite	29.7
Kaolin (any except EPK)	8.5
Flint	37.7
	100.0%
Add: Zinc Oxide	5.0%

Juonith's CLEAR DOY

KAOLIN	50
gerstley Borate	35
Flint	15

colorants:

green	4-8% copper
blue (dirty)	1% iron 1/2% cobalt
moss stains	5-10% colorants

Rob's MATTE DOY

g. 2000 SPAR	30	(add colorants)
Whiting	11	and oxides
zinc ox	5	experiment
gerstley borate	10	
3124	24	

Worthington Clear Glaze (Cone 07-03)

Colemanite	55%
Edgar Plastic Kaolin	30
Flint	15
	100%

If you still find it necessary to replace all the school recipes, you could try testing the following on your clay body:

Worthington Clear Glaze (Cone 07-03)

Colemanite	55%
Edgar Plastic Kaolin	30
Flint	15
	100%

"AC" Dry Matt Glaze (Cone 04)

Barium Carbonate	23.9%
Lithium Carbonate	4.6
Frit 3110 (Ferro)	9.1
Nepheline Syenite	50.5
EPK (Edgar Plastic Kaolin)	5.5
Silica (Flint)	6.4
	100.0%

Add: Bentonite 18.3%

Dry Matt Glaze (Cone 04)

Barium Carbonate	9.33%
Gerstley Borate	18.65
Magnesium Carbonate	18.65
Nepheline Syenite	27.98
Kaolin	16.06
Flint	9.33
	100.00%

For color variations, add commercial stains.

Semi-matt

Frit 3191 (Ferro) or K-3 (Hommel)	34
Lithium Carbonate	3
Zinc Oxide	23
Kaolin	20
Flint	20

Saloman Clear c06-02

EPK	30
Silica	15
Ger. Bor	55

Birdsall/Worthington Clear 04-03

Gherstley Borate 55
 Flint 15
 EPK 30

Tint with 1-8 Burnt Umber
 Green 3-6 Copper carbonate
 Coral 6 Coral stain
 Yellow 6 Rutile
 Fired to 03, the clear uncoloured glaze
 is tough, durable and fairly craze resistant.

G-76 (J. Rice) Cone 03

Gherstley Borate 38
 Pot Spar 37
 Barium Carbonate 14
 11 Flint 11
 1 Bentonite 1

Barium ^{16 matt.} so not to be used on food
 surfaces. Fires over wide range of
 temperatures from very matt to Cone
 07.

**Woody Hughes Base
Cone 04-02**

Gherstley Borate 26.0%
 Lithium Carbonate 4.0
 Nepheline Syenite 20.0
 Frit 3124 (Ferro) 30.0
 EPK (Edgar Plastic Kaolin) 10.0
 Silica (Flint) 10.0
 100.0%
 Add: Veegum T 1.6%
 CMC Gum 0.5%

For soft color that will remain transpar-
 ent, add 7% stain.

3134
 Frit #54 PEMCO 85
 Spodumene 15
 100
 Temperature
 Surface @ C/06
 Fluidity
 Stain penetration
 Opacity
 Color / oxidation
 NOTE: Some cracks

G 3015 Leadless Frit

C/06
 Gloss
 Little
 All
 Transparent
 Clear

G 3016 Milky Transparent

Gherstley borate 70
 Flint 25
 Georgia kaolin 5
 100
 Temperature
 Surface @ C/06
 Fluidity
 Stain penetration
 Opacity
 Color / oxidation

C/06
 Semigloss
 None
 All
 Transparent
 Milky

IRMAS CLEAR 0405

FRIT G-23 90
 KAOLIN 10
 BENTONITE 3
 RED IRON OXIDE 3

Pam/Tin Clear cone 04/03

Gherstly Borate 55
 Flint 15
 E.P.K. 30
 Burnt Umber 1-8%

Clear Glaze cone 08/2 ox/

Frit 3134 85
 E.P.K. 15
 Add: Bentonite 2.5%
 Glossy, Transparent.

Glossy	Trans.	Clear	c04
(Alfred)			
Neph Sy	20		
Gerst.B.	30		
3195	30		
EPK	10		
Flint	10		

Ian's Clear cone 04/03

Frit 3124 30
 E.P.K. 10
 Neph Sy 10
 Lithium carb 4
 Bentonite 3

**Pinnell's Best Clear
Cone 04-03**

Gherstley Borate (or substitute) 4.4%
 Spodumene 29.4
 Frit 3289 (Ferro) 36.8
 Kaolin 29.4
 100.0%

ing of the various components. It also
 renders the teapot lightweight and of
 uniform thickness. When the teapot is
 removed from the mold, the surface is
 textured by carving. This allows the small
 undercuts that would otherwise be im-
 possible to achieve from slip casting.

Glazing is with variations of the fol-
 lowing base glaze:

Clear Gloss Glaze
 (Cone 06-04)
 Gherstley Borate 65%
 Edgar Plastic Kaolin 10
 Flint (325 mesh) 25
 100%

Colors are achieved with the following
 additions (all can be opacified by add-
 ing 5%-10% Superpax):

Deep Blue
 Cobalt Carbonate 2%
Bright Yellow
 Mason Stain 6485 10%
Green
 Copper Carbonate 5%
Light Purple
 Mason Stain 6006 10%
Orange
 Mason Stain 6121 10%

Dark Brown

Red Iron Oxide 15%

Val Cushing's Glossy
Transparent (Leadless) Clear
Glaze c04
 Gerst. Bor. 26
 Neph Sy 20
 3124 30
 Lith. Carb 4
 EPK China Clay 10
 Flint 10

VO C/04. SATIN. STONE MATT

FERRO FRITT # 3124 - 4
 GERSTLEY BORATE - 10
 NEPHELINE SYENITE - 15
 TALC - 5
 WHITING - 5
 FLINT - 15
 EPK - 5
 100

VO C/04. SEMI OPAQUE SOFT SAT

FERRO FRITT # 3124 - 6
 DOLOMITE - 10
 ZINC OXIDE - 5
 EPK - 15
 FLINT - 5

VO 404. SOFT MATT. SEMI OPAQUE

FERRO FRITT # 3124 - 48
 FERRO FRITT # 3110 - 20
 ZINC OXIDE - 12
 EPK - 10
 WHITING - 10

Irma's Clear cone 05

Frit G-23.....90
 E.P.K.....10
 Bentonite.....3
 RIO.....3

JACQUE'S BASE 004

Gerstly borate.....38
 Lithium carb.....10
 Neph Sy.....5
 E.P.K.....5
 Flint.....42

Great satin matte, Creamy base - relitivel;

Suede

3110 1800
 Neph Sy 1500
 Bar. carb. 450
 EPK 700
 Cornwall 400
 tot. 4800
 *plus 2% wedgewood
 7% pink

For Woody

3110 76.3
 Gerst. B. 7.5
 EPK 7.1
 Silica 10

Base Glaze c04-02

3124 45
 3304 45
 EPK 10
 *gr. - 2% cop. carb.
 yell. - 3% iron ox.
 bl. - .5-1% cobalt ca

**Kari's Best Transparent
 Cone 04-02**

Gerstley Borate 11.0%
 Talc 30.0
 Frit 626 (Pemco) 19.0
 Frit 3124 (Ferro) 11.0
 Spodumene 14.0
 EPK (Edgar Plastic Kaolin) 15.0
 100.0%
 Add: Wollastonite 5.0%
 Veegum T 1.0%
 CMC Gum 0.4%
 Celadon
 Copper Carbonate 0.3%
 Blue
 Cobalt Carbonate 1.5%
 Copper Carbonate 2.0%
 Grape
 Manganese Dioxide 7.0%
 Copper Carbonate 0.5%
 Emerald Green
 Copper Carbonate 6.0%

**Val's Opaque White Matt- Heavy,
 Thick, Base Glaze c04**

3124 78
 Kona F4 feld. 14
 Whiting 6
 EPK China Clay 2

**Val's Glossy Trans. Leadless:
 Glaze c04**

3134 75
 EPK China Clay 6
 Gerst. Bor. 5
 Neph Sy 8
 Lithium Carb. 4
 Zinc Ox. 2

Val's Satin White Opaque c04

3124 72
 Neph Sy 12
 Flint 10
 EPK China Clay 6

Val's Stone Matt Glaze c04

3247 34
 (This frit is a replacement for
 barium carbonate)
 Kona F4 Feld. 34
 Gerst. Bor. 14
 Whiting 12
 Zinc Ox. 4
 Bentonite 2

1/04-02 G64

53 FLINT
18 LITHIUM CARB
8 FRIT 3110
12 EPK OR BALL
3.3 SODA ASH
2 BENTONITE

1) Δ04 SHINY CLEAR

20 NEPHELINE SYENITE
30 GERSTLEY BORATE
50 FRIT 3195
10 EPK
10 FLINT
2 BENTONITE

1) Δ04 GLOSSY CLEAR

75 FRIT 3195
6 EPK
5 GERSTLEY BORATE
8 NEPHELINE SYENITE
4 LITHIUM CARB
2 ZINC
2 BENTONITE

2) Δ04 CLEAR

45 KONA F-4 (SODA)
30 GERSTLEY BORATE
10 FLINT
6 BARIUM CARB.
5 ZINC
4 CHINA CLAY

6) Δ04 DEB'S CLEAR

30 FRIT 3134
45 FRIT 3195
25 EPK

USE THINLY OR GLAZE
WILL GET CLOUDY

4/04 SATIN BASE

48.8 KONA F-4
13.5 BARIUM
13.5 WHITING
11.5 GERSTLEY BORATE
10.4 FLINT
4.2 ZINC OX
2.3 BALL CLAY

1) Δ04 CLOUDY SATIN

37.5 NEPHELINE SYENITE
55.9 FRIT 3134
7.2 WHITING
2.0 BENTONITE
2.0 CMC POWDER

1) Δ04/02 G-76

38 GERSTLEY BORATE
37 CUSTER SPAR
14 BARIUM CARB.
11 FLINT
1 BENTONITE

3) Δ04 SHINY CLEAR

72 FRIT 3110
6 GERSTLEY BORATE
10 FLINT
7 KAOLIN
3 ZINC
4 WHITING

7) Δ04 PAM/TIN'S CLEAR

55 GERSTLEY BORATE
15 FLINT
30 EPK

4) Δ04 GLOSSY CLEAR

26 GERSTLEY BORATE
20 NEPHELINE SYENITE
30 FRIT 3124
4 LITHIUM CARB.
10 EPK
10 FLINT

8) Δ04 IAN'S CLEAR

50 FRIT 3124
10 EPK
10 NEPHELINE SYENITE
4 LITHIUM CARB.
3 BENTONITE

12) Δ04 SATIN-SEMI-OPAQUE

14 BARIUM CARB
20 GERSTLEY BORATE
40 CUSTER SPAR
12 WHITING
4 ZINC
10 FLINT
3 BENTONITE

19) Δ04 SOFT SATIN

48 FRIT 3124
20 FRIT 3110
12 ZINC OX
10 EPK
10 WHITING

Val's Soft Matt, Semi-opaque, Glaze c04

3124 48
3110 20
Zinc oxide 12
EPK China Clay 10
Whiting 10

Val's Satin, Stone Matt Glaze c04

3124 45
Gerstley Borate 10
Neph Sy 15
Talc 5
Whiting 5
Flint 15
EPK China Clay 5

Val's Semi-opaque, Soft Satin Glaze c04

3124 65
Dolomite 10
Zinc Oxide 5
EPK China Clay 15
Flint 5

26) Δ06-05 FURRY GLAZE

50 FIBER WOLLASTONITE
50 GERSTLEY BORATE

* Clear Glaze

- Frit 3195 900g
- Ball Clay 100g
- Magnesium Carb. 10g
- CMC 5g

Val's Clear: frosty thicker

frit 3195 30
gerstley borate 30
neph sy 20
EPK 10
flint 10
Cornwall stone 15
bentonite 2

Satin Glaze (1987 Glaze tests)

3124 72
neph Sy 12
Flint 10
EPK 6

*PLUS:

Sage Grey - 3%
sage Grey - 5%
Terra Cotta - 3%
" - 7%
Deep Crimson - 3%
" - 7%

20) Δ04 SATIN STONE MATT

45 FRIT 3124
10 GERSTLEY BORATE
15 NEPHELINE SYENITE
5 TALC
5 WHITING
15 FLINT
5 EPK

Clear Base c04 (Alfred)

3134 82
Ball Clay 9
Tin Oxide 9