

TOM COLEMAN PORCELAIN CLAY BODIES

Handwritten notes:
 27
 32
 OS
 2

1. TRANSLUCENT CONE 8-11 PDS.
 GROLLEG (CHINA CLAY) 55
 G-200 FELDSPAR 43
 SILICA (200 MESH) 32
 BENTONITE (IRON FREE) 6

2. CONE 6-8 PDS..
 GROLLEG (CHINA CLAY) 30
 NEPHELINE SYENITE 25
 SILICA (200 MESH) 30
 BALL CLAY (O.M.#4) 15
 BENTONITE (IRON FREE) 2

3. CONE 8-11 (PLATTER CLAY) PDS.
 E.P.K. 25
 SILICA (200 MESH) 25
 G-200 FELDSPAR 25
 BALL CLAY (O.M.#4) 25
 BENTONITE (IRON FREE) 2

ELAINE COLEMAN BASE GLAZE FOR CARVED PORCELAIN CONE 8-12

	GRAMS
F-4 Spar.	407
Barium Carb.	127
Whiting	42
Silica	290
E.P.K.	26
Tin Oxide	10
Zinc Oxide	5
Common Fireplace Ash-Dry Screened Through 80 Mesh Screen	20 Grams
Frit Pemco #283	5

BLACK SLIP FOR GREENWARE CONE 8-10

Neph. Syn.	150
E.P.K.	250
Ball Clay (OM4)	250
Talc	50
Silica	200
Ultrox	100
Borax	50

Melt Borax in hot water by using a microwave on high.

WHITE CRACK GLAZE TO BE SPRAYED ON TOP OF BLACK SLIP, ONCE IT IS BISQUE FIRED ON THE POT. CONE 8-10

Neph. Syn.	50
Magnesium Carb.	50

Spray until visible cracks appear.

TOM COLEMAN GLAZE FORMULAS

Cone 10. Reduction

1.	<u>TENMOKU</u>	
	Potash Feldspar	50
	Whiting	10
	Kaolin	7.5
	Silica	27
	Iron	7.

This is used as a Base Glaze to which the following variations can be used for Decorating over top of the Glaze.

- A. 7.8 grms per/pint - Rutile Blue.
- B. 14.17 grms per/pint - Rutile Gold.
- C. For Iron Brushwork use - 70 Red Iron Ox
30 Titanium Diox
20 Gerstley Borate.
- D. Rutile Gold Brush - 50 Red Iron Ox
50 Titanium Diox

2. RUTILE WASH (WAX RESIST.)

This recipe is actually a cone 8 Glaze. But used on the inside of Bowls and Platters. Produces a lovely brushstone effect on top of Glaze 1. (TENMOKU)

Potash Feldspar	50
Whiting	24
Kaolin	13
Silica	13
Iron	9
Rutile	5

3. CHUN BLUE FOR TOP OF TENMOKU
(Wax Resist Technique)

Cone 10 Reduction

Batch:	Potash Feldspar	1800
	Whiting	700
	Talc	110
	Kaolin	80
	Silica	1240
	Iron	25
	Bone Ash	20

bearing stoneware. Also produces jet black on porcelain in oxidization.

8. Shino Glaze Reduction Cone 10-11

Nepheline Synite	80
Kaolin	20
Salt	5

Use over iron bearing clay thin application produces orange thick, produces white crackle.

9. Magnesia Glazes Cone 10 Reduction or Oxidization

A.	Potash Feldspar	70	B.	Postash Feldspar	48
	Whiting	5.2		Whiting	4
	Kaolin	35		Kaolin	24
	Dolomite	25.2		Dolomite	24
	<u>(FOR Stoneware)</u>			<u>(For Porcelain)</u>	

10. Clay Glazes Cone 10-11

A.	Potash Feldspar	50
	Kaolin	25
	Ash	15
	Iron Oxide	3
	Whiting	20
	Cobolt Oxide	1.5

Nice over White Stoneware Yellow to Blue Black use thin to medium for variation of colour

B.	Potash Feldspar	30	Rust Red
	Kaolin	25	to Yellow
	Whiting	20	application
	Ash	15	similiar to
	Iron Oxide	3	(A) clay glaze

11. Shino for Oxidization Cone 8

Light Iron Bearing Clay:

Soda Feldspar	55.7
Kaolin	8.3
Whiting	13.3
Talc	12.7
Tin Oxide	10

* Nice for Sculptual Pieces*

TOM COLEMAN
GLAZE FORMULAS

CHUN WHITE FOR DECORATING ON TOP OF CONE 8-11

	GRAMS
G-200 Spar	880
Silica	560
E.P.K.	226
Whiting	333
Zinc Oxide	45
Tin Oxide	42

SEMI DRY WHITE FOR SPRAYING OXIDES OVER CONE 8-10

Whiting	300
Neph. Syn.	500
E.B.K.	200
Bentonite	2.5

JET BLACK SHINY WITH METALIC SPOTS CONE 8-10

G-200 Feldspar	60
Silica	13
Whiting	17
E.P.K.	10
Manganese Diox.	3
Colbalt Carb.	3
Iron Oxide	2
Iron Chromate	2

GLAZE RECIPES TO BE TESTED OVER BOTH STONEWARE AND
PORCELAIN.

1. CLEAR Stoneware or Porcelain
Les Blakeborough.
- | | |
|------------------------|----|
| <i>POTASH FELDSPAR</i> | 42 |
| Silica | 25 |
| Calc. Carb. | 20 |
| Bentonite | 13 |
- This glaze may be used raw.
2. WHITE MATT
- | | |
|---------------------|------|
| <i>POTASH FELD.</i> | 43 |
| Whiting | 18.3 |
| Silica | 11.2 |
| Kaolin | 22.8 |
| Zinc Oxide | 4.7 |
| Rutile | 3 |
| Tin oxide. | 2 |
3. KORYO
- | | |
|-----------------|-------|
| | 52.94 |
| Whiting | 20.80 |
| Silica | 19.33 |
| Yellow Ochre | 1.63 |
| Talc | 3.22 |
| Trical. Diphos. | 2.26 |
4. KUDO MATT
- | | |
|----------------------|-------|
| <i>POTASH FELDS.</i> | 40.06 |
| Mag. Carb. | 15.76 |
| Kaolin | 14.50 |
| Silica | 17.98 |
| Whiting | 11.68 |
5. WHITE
- | | |
|-------------------------|----|
| <i>N.B.P.H. SYNITE.</i> | 70 |
| Ball Clay R | 25 |
| Silica | |
6. DOLOMITE
- | | |
|----------------------|------|
| <i>POTASH FELDS.</i> | 50 |
| Kaolin | 25 |
| Dolomite | 22.5 |
| Whiting | 2.5 |
7. PEARL WHITE
- | | |
|----------------------|------|
| Talc | 23.4 |
| <i>POTASH FELDS.</i> | 26.2 |
| Kaolin | 22.2 |
| Whiting | 13.3 |
| Silica | 22.4 |
8. TALC WHITE
- | | |
|----------------------|-------|
| <i>POTASH FELDS.</i> | 27.5 |
| Talc | 16.68 |
| Whiting | 12.37 |
| Kaolin | 13.74 |
| Silica | 29.70 |
9. BARIUM MATT
- | | |
|---------------------|----|
| <i>POTASH FELD.</i> | 22 |
| Silica | 2 |
| Whiting | 6 |
| Kaolin | 5 |
| N.S. | 16 |
| Mag. Carb | 4 |
| Barium Carb | 8 |
10. CLEAR good on morlynn.
- | | |
|------------------------|----|
| <i>S.D.A. FELDSPAR</i> | 12 |
| P.F. | 23 |
| Whiting | 8 |
| Kaolin | 20 |
| Silica | |

Colemanite 20

Yellow Ochre 30

This Glaze can also be used a Chun over a White Clay and works well over an Iron bearing slip.

4. Satin White

Cone 9 Reduction or Oxidization

Potash Feldspar	32.5
Whiting	13.9
Talc	13.6
Kaolin	12.07
Silica	27.86

Great over Porcelain or White Stoneware.

5. Celadons

A. Potash Feldspar	40
Whiting	20
Silica	30
Kaolin	10
Talc	5
Iron	1

B. Potash Feldspar	46.3
Silica	17.0
Whiting	13.4
Kaolin	9.8
Talc	3.0
Barium Carbonate	9.2
Red Iron Oxide	1.3

C. Potash Feldspar	48.9
Silica	33.8
Barium Carbonate	17.3
Silica	28.46

6. Koryo (Korean Blue Celadon)

Potash Feldspar	52.94
Whiting	20.80
Talc	3.22
Silica	19.13
Tri-Calcium DiPhosphate (Synthetic Bone Ash)	2.26
Yellow Ochre	1.63

This Produces a nice Pale Blue Chun-Celadon on Stoneware and Porcelain
(Best on Porcelain)

7. Teadust (Yellow Speckle Tenmoku)

Potash Feldspar	43
Whiting	17
Ball Clay	13
Red Iron	10
Talc	8
Silica	27

	GRAMS
E.P.K.	59
Talc	82
Whiting	66
Bone Ash	105
Red Iron Oxide	104

IVORY WHITE BUTTER WHITE FOR DECORATING OVER CONE 8-12

Cornish Stone	365
Whiting	475
Talc	275
E.P.K.	525
Bone Ash	75

PURPLE GLAZE SEMI SHINY CONE 8-10

G-200 Spar.	250
Silica	125
Whiting	40
Dolomite	25
Gers. Borate	25
Barium Carb.	25
Zinc Oxide	12.5
Tin Oxide	5
Copper Carb.	10
Cobalt Carb.	1.2

NO CRAZE WHITE. THIS GLAZE WILL NOT CRAZE OVER ANY CLAY BODY.
CONE 8-12

G-200 Spar	290
Whiting	110
Talc	110
E.P.K.	260
Silica	200

LAS VEGAS COPPER RED WITH WHITE SPOTS CONE 8-9

	GRAMS
G-200 Spar	360
E.P.K.	12.5
Silica	222
Whiting	72.5
Gers. Borate	75
Dolomite	75
Zinc Oxide	15
Barium Carb.	37.5
Tin Oxide	22.5
Copper Carb.	4.5

WOOD FIRE SHINO WHITE TO ORANGE CONE 8-15

Soda Ash	350
G-200 Spar.	1500
Ball Clay (OM4)	1250
E.P.K.	250
Neph. Syn.	400
Spodumene	1250

TEA DUST BLACK BLACK WITH GOLD SPOTS CONE 8-10

G-200 Spar.	430
Whiting	170
Ball Clay (OM4)	130
Red Iron Oxide	100
Talc	80
Silica	270

TOMATO IRON RED--BRIGHT ORANGE RED CONE 8-10

G-200Spar.	432
Silica	143
E.P.K.	

BROWN BLACK CONE 8-10

	GRAMS
G-200 Spar	485
E.P.K.	103
Silica	226
Whiting	166
Zinc Oxide	22
Red Iron Oxide	97

DRY TURQUOISE CONE 8-10

Barium Carb.	400
Neph. Syn.	400
Copper Carb.	32

SEMI MATT TURQUOISE WITH GRAY SPOTS CONE 8-10

G-200 Spar	208
Whiting	36
Zinc Oxide	22
Barium Carb.	84
Ball Clay (OM4)	40
Add-4% Rutile	
4% Copper Carb.	

APPLE GREEN CELADON CONE 8-11

G-200 Spar.	556
Whiting	400
Silica (Im silica-25)	407
Red Iron Oxide	20
Chrome Oxide	2

12.	<u>OxBlood Red</u>	<u>Cone 8-9 Reduction</u>
	Potash Feldspar	34.94
	Soda Feldspar	28.33
	Whiting	9.80
	Ball Clay	2.45
	Gerstley Borate	13.08
	Silica	11.60
	Copper Oxide	.30
	Tin Oxide	1.00

Moderate to heavy Reduction. Thick Application.

13.	<u>Tomato Red</u>	<u>Cone 10 Oxidation or Reduction</u>
	Potash Feldspar	48
	Whiting	2.73
	Magnesium Carbonate	6
	Kaolin	7
	Silica	16
	Tri Calcium DiPhosphate	9.1
	Iron Oxide	9.1

14.	<u>Dry Clay Glaze</u>	<u>Cone 10</u>
	Potash Feldspar	20
	Whiting	37.5
	Kaolin	50
	Magnesium Carbonate	7.5
	Iron Oxide	1.5
	Rutile	1.5

This works well as a Dry Landscape use oxide mixtures over top for Decorating.

15.	<u>Bright Barium Glazes</u>	<u>Cone 04-02 Oxidation</u>
A.	Nephline Synite	55
	Barium Carbonate	26
	Lithium Carbonate	2
	Silica	7
	Kaolin	6
	Copper Carbonate	4