

Art Glazes – Cone 06

[illegible]

BOB SHAY'S GLAZE RECIPE CHAR

CONE 06-04 1015°C → up OXIDATION MATT-TEXTURES WIDE TEMPERATURE RANGE	MAGNESIUM CARBONATE	KAOLIN	LITHIUM CARBONATE	BORAX	GERSTLEY BORATE	COPPER CARBONATE	SILICA (FLINT)	BENTONITE	RUTILE	IRON OXIDE	COBALT CARBONATE	COBALT OXIDE	BALL CLAY	TALC	MANGANESE DIOXIDE	ZIRCOPAX	NEPHELINE SYENITE	CIDAME
LICHENS	50		10	50	30	4					0-4							
LIZARD	40		15	10	70		5										20	C
FLAMEDROPS	40		20		70	6												0
MOON	50	20	10	40	20	10												
CRATERS	20	20	60	30		12	60	10										
BEADS	50			40	50		10									10		
CARBON	30			80	60				30	40		7						
EARTHMOTHER			30		30	3	20				1		10	10	3			
OCEAN OIL		10	30	20	40	6												
SUPERSTITION			30		40	3						0-5		30			10	

SURFACES · SKINS · TEXTURES · THINGS ON CLAY.

Bob's Blue-Black Crater Glaze (Cone 1)

Whiting	15.65 %
Frit 54 (Penco)	34.26
Nepheline Syenite	43.13
Bentonite	1.74
Silicon Carbide	5.22
	100.00 %
Add: Chromium Oxide	0.87 %
Cobalt Carbonate	4.35 %
Manganese Dioxide	1.74 %
Titanium Dioxide	8.70 %
Vanadium Pentoxide	8.70 %

A modified James Chappell recipe. For suspension and workability, add 1 teaspoon CMC per 100 grams glaze to wet batch. Apply thickly by brush for dramatic cratering. Not intended for use on food or beverage surfaces. Fire in well-ventilated kiln.

Lana's Rust Glaze (Cone 06-6)

Borax	1 teaspoon
Kaolin	½ teaspoon
Flint	½ teaspoon
Vanadium Pentoxide ...	¾ teaspoon
	2¾ teaspoons

thick, fires pewter oil spot. Not intended for use on food or beverage surfaces. Fire in well-ventilated kiln.

Virginia Scotchie Beads Glaze (Cone 04)

Borax	26.67 %
Gerstley Borate	33.33
Magnesium Carbonate	33.33
Silica (Flint)	6.67
	100.00 %
Add: Zircopax	6.67 %

Add desired Mason stain (5-10%). Apply over fired SEG 1a Glaze. Test for thickness to achieve desired bead effect. Not intended for food or beverage surfaces.

Michelle's Bubble Glaze (Cone 04)

Frit 3195 (Ferro)	30 %
EPK (Edgar Plastic Kaolin)	30
Cryolite	40
	100 %
Add: Manganese Dioxide	5 %

Applied thin, fires bubbly, crusty brown. Applied medium, fires glossy pewter. Applied

Stoney Lithium

Cone 06

used by Adrian Arleo

Lithium Carbonate	15.6%
EPK	22.0
Flint	45.0
Bentonite	3.7
Frit 3110	13.7
TOTAL:	100.0%

for brown, add

Mason stain sage gray 4.6%

for gray, add

Mason stain sage gray 1.8%

for blue, add

Mason stain sage gray .9%

Cobalt Carbonate .22%

Copper Carbonate .9%

Very dry. Good alone or layered with other glazes. Do not fire hotter than cone 05.

Tom's Skin Glaze #5

(Cone 06-03)

Gerstley Borate	37.5%
Wollastonite	62.5
	100.0%

When fired to Cone 06, this is dry, off-white, and it cracks.

Tom's Skin Glaze #6

(Cone 06-03)

Gerstley Borate	42%
Wollastonite	53
Silica (Flint)	5
	100%

At Cone 04, this has very nice globby crackling texture.

Tom's Skin Glaze #7

(Cone 06-03)

Gerstley Borate	33%
Wollastonite	56
Ball Clay	11
	100%

At Cone 04, this is a nice milky translucent glaze. At Cone 06, it becomes too dry.

Tom's Skin Glaze #8

(Cone 06-03)

Gerstley Borate	38%
Wollastonite	48
Ball Clay	14
	100%

BM-3 Glaze

(Cone 06-04)

Barium Carbonate	40%
Nepheline Syenite	45
Spodumene	10
Flint	5
	100%

Add: Copper Oxide 4%

Dry blue to deep purple; for use on sculpture only.

White Crawl Glaze

(Cone 06)

Borax	3.68%
Gerstley Borate	44.13
Magnesium Carbonate	29.42
Zircopax	5.12
Kaolin	17.65
	100.00%

John's Revised Base Plum Glaze

(Cone 04)

Gerstley Borate	10.00%
Frit 3110 (Ferro)	63.00
Frit 3134 (Ferro)	9.00
Kaolin	7.00
Flint	11.00
	100.00%

Add: Blackberry Wine

Stain (Mason) 5.00%

Cobalt Oxide 0.25%

Manganese Carbonate 2.00%

Crane's Glossy c05 (KC)

Borax	50
Colemanite	50
Rutile	10
Black Cop. Ox.	5

George's Gold c06-05 (K)

3195	90
Ball	10
Bismuth	4
Silver Nitrate	1

SDSU CRAWL 06-04

GERTSLEY BORATE	44.11
MAG. CARB.	29.41
EPK	17.64
BORAX	3.68
ZIRCOPAX	5.15

Lana's Red Moss Glaze

(Cone 06)

Lithium Carbonate	60%
Talc	40
	100%
Add: Bentonite	2%
Frit 25 (Pemco)	2%
Manganese Dioxide	6%

Lana's Chartreuse Moss Glaze

(Cone 06)

Gerstley Borate	5%
Lithium Carbonate	80
Flint	15
	100%
Add: Bentonite	2%
Chrome Oxide	3%
Tin Oxide	7%

Chartreuse Glaze

(Cone 04)

Gerstley Borate	5%
Lithium Carbonate	80
Flint	15
	100%
Add: Bentonite	2%
Chrome Oxide	3%
Tin Oxide	7%

Lizard Glaze (Black)

(Cone 06-04)

Borax	6.3%
Gerstley Borate	43.8
Lithium Carbonate	9.4
Magnesium Carbonate	25.0
Nepheline Syenite	12.5
Flint	3.0
	100.0%

Lana's Purple Aqua Glaze

(Cone 06)

Barium Carbonate	45 grams
Nepheline Syenite	45
	90 grams

Add: Frit 626 (Pemco) or

3289 (Ferro) 4 grams

Bentonite 2 grams

Copper Carbonate 4-8 grams

Creamy Yellow Wash

(Cone 04)

Gerstley Borate	80%
Titanium Dioxide	20
	100%

Mix with water; sieve.

Tom's Crawl

(Cone 04)

Borax	3.9%
Gerstley Borate	46.5
Magnesium Carbonate	31.0
EPK (Edgar Plastic Kaolin)	18.6
	100.0%
Add: Zircopax	5.4%

This is a translucent, globby crawling glaze.

Terra Cotta Blue Pigment c04 For Decoration (Arnie

Zimmerman, Alfred)

Cobalt Carb.	20
Tin Oxide	20
Manganese Diox.	10
Talc	10
RedArt	15
China Clay	20
Red Iron Ox	5

Notes Crawl c010-06
70
White
Kingman Spar
5
EPK
10
Mag. Carb.
15

Gary's Texture Glaze

(Cone 08-06)

Gerstley Borate	80%
Titanium Dioxide	20
	100%

Mix thick like whipped cream. Do not screen. A thin application will go brown, while a thick application will crawl and break. Fires golden yellow. Color variations are possible with the following additions:

<i>Light Green</i>	
Copper Carbonate	3%
<i>Dark Green</i>	
Copper Carbonate	5%
<i>Blue</i>	
Cobalt Carbonate	3%
<i>Black</i>	
Cobalt Oxide	5%
Iron Oxide	5%
Mason Black Stain	10%

Lana's Chartreuse Moss Glaze

(Cone 06)

Gerstley Borate	5%
Lithium Carbonate	80
Flint	15
	100%
Add: Chrome Oxide	3%
Tin Oxide	7%
Bentonite	2%

Bob Shay's Beads Glaze

(Cone 06-04)

Borax	26.67%
Gerstley Borate	33.33
Magnesium Carbonate	33.33
Flint	6.67
	100.00%
Add: Zircopax	6.67%

Use 3-10% stains for color varia-

Crack and Crawl Glaze

(Cone 06-04)

Barium Carbonate	9%
Gerstley Borate	19
Magnesium Carbonate	19
Nepheline Syenite	28
Kaolin	16
Flint	9
	100%

Do not use on food surfaces. Add oxides or commercial stains for color variations.

White Beads

Borax	40
Magnesium carb	50
Gerstly Borate	50
Flint	10
Zircopax	10

Beads depends on the thickness.

SDSU White Crawl cone 06/04 ox/red.

Borax	3.88
Gerstly Borate	46.51
Magnesium carb	31.01
E.P.K.	18.60
Add: Zircopax	5.43%

Mix this glaze on the thick side.

LO-Fire Shino cone 04 ox/

Lithium carb	29
Nrphy Sy	70
E.P.K.	11
Add: Rutile	6%
Mangenese carb	0.5%

A bit of a runner.

Appears flesh like where thick.

Metallic specks where thin.

Diane McCormick's Luster Glaze

(Cone 05)

Alkaline Frit	90.00 %
Kaolin	10.00
	100.00 %
Add: Calcium Chloride ..	1.00 %
Tin Oxide	1.00 %

The glaze melt is achieved by firing to Cone 05 in oxidation. For the luster effect, refire to Cone 018 in reduction; holding the temperature at Cone 018 for 40 minutes yields the best results.

Color variations are possible with the following additions:

Blue:

Black Iron Oxide	1.00 %
Cobalt Carbonate	1.00 %
Copper Carbonate	0.30 %
Manganese Dioxide	0.20 %
Rutile	5.00 %

Pink:

Cobalt Carbonate	0.03 %
Copper Carbonate	0.50 %
Manganese Dioxide	0.20 %

MJ's FOAM GLAZE 004
(Apply thickly)

FRT 3110 70
WOLLASTONITE 10
BONE ASH 20
FRT 3124 5
EPK (KAOLIN) 5

OTTO'S TEXTURE

Red Lead	62
Custer Spar	20
Barium Carb.	9
Cornwall Stone	4
EPK	5
	100

C010 oxidation

LOUIS CA TEX
ALLIGATOR RED BROWN
do j can

GB 92
Cust 23
GK 10
BORCA 11.5
Silica 9.5
Red IRON 40

146
O No FLUX IRON CA
NS 35.6
Colos 10.
LITH CORB 7.6
Si 264
FE 3
Red 1.2

O CRAIGS ELEPHANT 24
Bull 61
3110 22
Talc 10
NS 5
BUT 2

HK Dry Lithium Base 1
(Cone 010)

Lithium Carbonate	27.55%
Bentonite	3.06
Tile 6	15.31
Flint (Vansil W-20)	54.08
	100.00%

Color variations are possible with the following additions:

Salmon Pink:

Manganese Dioxide	5.00%
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Burnt Salmon Red:

Black Copper Oxide	3.50%
Manganese Dioxide	3.00%

Orange Green c06 (Utah)

White Lead	83.3
Kaolin	30
Flint	16
Potassium Dichro.	10
Tin	5
*or Zircopax	10

Desert Red c06 (Utah)

White Lead	92
Soda Feldspar	11
Barium Carb.	4
Flint	5
Chrome Ox.	6

Not Mellon-Yellow c06 (Utah)

White Lead	500	200	100
Bentonite	25	10	5
Flint	25	10	5
Magnesium Xirconium Silicate	100	40	20
Soda Ash	150	60	30
Potassium DiChromate	25	10	5

Middlebrook's Cactus Red c06 (Utah)

White Lead	120	480
Silica	7	28
Kingman Feldspar	14	56
Barium Carbonate	5	20
Chrome Oxide	7.5	30

Granite Gray:

Nickel Oxide	5.00%
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Oyster Shell White:

Black Iron Oxide	3.00%
Vanadium Stain	1.00%

Limestone Green:

Black Copper Oxide	3.00%
Rutile	4.50%

Woody Brown:

Black Copper Oxide	4.00%
Black Iron Oxide	5.00%
Chrome Oxide	0.50%
Manganese Dioxide	3.00%
Red Iron Oxide	4.00%

Bronze:

Manganese Dioxide	2.00%
Copper Oxide	3.00%
Chrome Oxide	4.00%

The following are among the color variations possible with oxide additions:

Charcoal Black:

Black Iron Oxide	5.00%
Black Copper Oxide	4.00%
Chrome Oxide	1.00%
Manganese Dioxide	3.00%
Red Iron Oxide	4.00%

Blue Funk:

Copper Carbonate	3.50%
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These dry lithium glazes are applied to earthenware fired to Cone 04. To retain application texture and dry surface quality, fire only to Cone 010. Multiple firings may be necessary for color intensity and depth. Shivering may occur if the glaze firing is prolonged. The recommended firing schedule is to turn up the kiln (electric) one third every two hours, so that the kiln is on high in four hours.

A lithium/copper blue is achieved by applying a wash of commercial yellow glaze (Duncan GL600 Buttercup Yellow), thinned with water, over fired Blue Funk, then firing again to Cone 010.

HK Dry Lithium Base 2
(Cone 010)

Lithium Carbonate	27.55%
Bentonite	3.06
Georgia Kaolin	15.31
Flint (SilCoSil)	54.08
	100.00%

	Black Copper Crystals 1	Black Copper Crystals 2	Black Copper Crystals 3	Black Copper Crystals 4
Cone 07				
Lithium Carbonate	45	40	50	50
Silica	45	50		
Copper Carbonate	10	10	50	25
Red Iron Oxide				25

blue Alkaline Base 04 Variation c

Frit 3110	43.7
Custer Feldspar	21.6
Barium Carbonate	10.9
EPK	13.9
Cornwall Stone	9.9
Bentonite	2
Blue Green Stain	5

Brian C.

24. Tom's 04 Cement

Flint	28.6
EPK	35.7
Gerstley Borate	35.7
Bentonite	2

Pat C.

25. Tom's 04 Cement Black

Flint	28.6
Gerstley Borate	35.7
EPK	35.7
Bentonite	2
Black Iron Oxide	2
Cobalt Oxide	2
Manganese Dioxide	2

Mary M.

26. Tom's 04 Cement Blue Green

Flint	28.6
Gerstley Borate	35.7
EPK	35.7
Bentonite	2
Blue Green Stain	5

Jessie M.

27. Tom's 04 Cement Variation

Flint	28.6
EPK	28.6
Gerstley Borate	42.8
Bentonite	2

Hillary M.

28. Tom's 04 Cement Variation Blac

Flint	28.6
EPK	28.6
Gerstley Borate	42.8
Bentonite	2
Black Iron Oxide	2
Cobalt Oxide	2

29. Tom's 04 Cement Variation BlueGre

Flint	28.6
EPK	28.6
Gerstley Borate	42.8
Bentonite	2
Blue Green Stain	5

Kyrie S.

30. Glaze VI 05

Gerstley Borate	53
Whiting	6.9
Zinc Oxide	5.5
EPK	8.9
Flint	25.7
Bentonite	2

Sarah S.

Valarian's Sculpture Glazes cone 06/04

Mossy Green

Plaster.....	30
E.P.K.....	30
Spodumene.....	30
Gerstly Borate.....	5
Nephy Sy.....	5

Fine Grog.....	25
Copper carb.....	5

Third Degree Burn cone 04

Magnesium carb.....	25
Borax.....	20
Gerstly Borate.....	25
Flint.....	5
Zircopax.....	5

Add: Manganese diox.....	1%
Vanadium ox.....	2%

Varied application gives best toasted flesh
Brush on for best break up.
Try with different oxides.
Also try at cone 06-02.
Matte, Opaque.