

FERRO LEADLESS FRITS - PERCENTAGE COMPOSITIONS

Frit No.	Coeff. of Exp.	Fusion K ₂	Na ₂ O	CaO	ZnO	Al ₂ O ₃	B ₂ O ₃	SiO ₂	F	Temp °F
3110	10.1	2.3	15.3	6.3	-	3.7	2.6	69.8	-	1400
3124	7.9	0.7	6.3	14.1	-	9.9	13.7	55.3	-	1600
3134	9.6	-	10.3	20.1	-	-	23.1	46.5	-	1450
3195	6.5	-	5.7	11.3	-	12.1	22.4	45.5	-	1500
3819	10.3	7.2	13.0	0.3	1.0	12.6	16.6	47.7	1.6	1400
5301	11.4	5.5	14.0	2.4	-	12.1	12.5	44.5	9.0	1500

Δ06 Terra Cotta Tableware Formulas

Δ06-02 Terra Cotta Clay

Red Art 100
 Gold Art 40
 Ochmulgee 40
 Talc 17
 Barium 3/4 cup
 Sand 12

Δ06 Clear

Gerstley Borate 60
 EPK 35
 Flint 10

Δ06-04 White Slip

For green ware
 OM 4 40
 EPK 20
 Neph Syn 15
 Talc 15
 Frit 312L 10
 Colorants:
 Black 10% of { 25 Cobalt
 25 Black Iron
 10 Mang. Diox.
 5 Chrome

Yellow = 6% Rutile
 Green = 3% Cop. Carb.
 3% Chrome
 Taupe = 5% Iron Chromate
 Blue = 3% Cobalt Carb.
 Pale Green = 1% Rutile
 3% Cop. Carb.

White Majolica Δ06-03

Frit 312L 65.75
 F & Spar 17.14
 Avery 10.82
 Neph Syn 6.24
 Tin 5.0
 Opax 10
 Bentonite 2.0
 Golden Brown Stain .5
 or Red Iron
 Colorants over Majolica:
 Black=1 part Black Iron Ox.
 1 " Gerstley Borate
 Dark Blue= 1 Cop. Carb.
 1 Cobalt
 1 G.B.
 Lite Brown= 1 Rutile
 3 G.B.
 Turquoise= 1 Cop. Carb.
 1 G.B.
 Lite Green= 1 Victoria Green
 1 Chrome
 2 G.B.

Bright Yellow= Primrose Yellow M.S.
 Dark Brown= Hazlenut Brown M.S.
 Lite Pink= Shell Pink M.S.
 Plum= Mulberry M.S.
 Crimson= Crimson M.S.
 Indigo= Peacock Blue M.S.
 1 part Masons Stain
 3 parts Gertaley Bcrate

More 06 Low Fire Glazes

Shaner White

50 Frit 312L
 10 Ball
 10 Flint
 5 Zircopax
 For colorants add
 .5 to 2% oxides
 or 5 to 10% Masons
 Stains to base.
 Masons Stains can
 also be used on top
 of base:
 90% Masons
 10% Gertsley
 Borate

Shaner White

adjusted to fire
 a little lower
 55 Frit 312L
 5 Ball
 10 Flint
 5 Zircopax

Nates Crawl 010-06

70 white
 5 Kingman Spar
 10 EPK
 15 Mang. Carb.

Gill Majolica

60 Frit 3195
 17 Kona F-4
 11 EPK
 6 Neph. Sy.
 10 Tin
 2 Bentonite
 Use same colorants
 as for Shaner White

Gloss Clear

90 Frit 3195
 10 EPK

Clear G78

38 Colemanite
 37 Potash
 14 Barium Carb.
 11 Flint

Lithium Blue Matt

Weird dry surface
 52.0 Flint
 26.5 Lithium Carb.
 11.5 Kaolin
 3.7 Copper Carb.
 3.3 Whiting
 1.0 Bent.
 1.0 Bone Ash