

Recipe Name Bronze

Cone 5 Surface Metallic Color Gold to black

Firing Oxidation Recipe Set Mid-Fire

Test Sample IDs _____ Date Created 15/12/2009 Date Printed 15/12/2009

Ingredients	% or Amt.		Unity	Weight %	Mole %
Ball Clay, Ceram	15.0				
Nepheline Syenite	12.5	Li ₂ O			
Frit--Ferro 3110	7.5	Na ₂ O	0.649	7.32	7.97
		K ₂ O	0.152	2.59	1.86
		MgO	0.029	0.22	0.36
		CaO	0.170	1.73	2.08
		SrO			
		BaO			
		ZnO			
		PbO			
		Subtotal			
		Alkalis	0.801	9.91	9.83
		Total			
		Fluxes	1.000	11.86	12.27
		Al ₂ O ₃	1.265	23.43	15.51
		B ₂ O ₃	0.047	0.59	0.57
		Fe ₂ O ₃	0.011	0.32	0.13
		SiO ₂	5.801	63.32	71.16
		TiO ₂	0.029	0.41	0.35
		P ₂ O ₅			
		Si:Al	4.59		
		Exp Coeff	77.62		
		L.O.I.	5.95		
Add	Totals				
	35.0				
Manganese Dioxide	40.0				
Copper Carbonate	15.0				

Glaze Photo

Recipe Cost, \$ / lb

Comments

Not food safe. Not for tableware. Use gloves when handling the toxic raw glaze. Apply by brush in 2-3 coats. Bronze/gold where thinner, black where thicker.