

Recipe Name Strontium Matt

Cone 5 Surface Matte Color

Firing Oxidation Recipe Set Mid-Fire

Test Sample IDs Date Created 14/8/2010 Date Printed 14/8/2010

Ingredients	% or Amt.	Unity	Weight %	Mole %
Nepheline Syenite	60.0			
Strontium Carbonate	20.0	Li ₂ O		
Ball Clay, Ceram	10.0	Na ₂ O	0.351	6.40
Silica	10.0	K ₂ O	0.111	3.07
		MgO	0.009	0.11
		CaO	0.028	0.46
		SrO	0.500	15.23
		BaO		
		ZnO		
		PbO		
		Subtotal Alkalis	0.462	9.46
		Total Fluxes	1.000	25.26
		Al ₂ O ₃	0.616	18.43
		B ₂ O ₃		
		Fe ₂ O ₃	0.003	0.12
		SiO ₂	3.180	56.06
		TiO ₂	0.004	0.10
		P ₂ O ₅		
		Si:Al	5.16	
		Exp Coeff	86.93	
		L.O.I.	7.70	
Totals	100.0			
Add				
Copper Carbonate	5.0			
Titanium Dioxide	5.0			

Glaze Photo

Recipe Cost, \$ / lb

Comments
 A slight variation on "Weathered Bronze" from the book "Mastering Cone 6 Glazes".
 Gives a beautiful silky matt surface.
 White without colourants, green verdigras bronze with the copper and titanium.
 Strontium is expensive, but is used as a non toxic replacement for Barium Carbonate.
 Robert Linigen
 WSI Neeban.