

Recipe Name Midfire Engobe

Cone 5 Surface Semimatte Color

Firing Oxidation Recipe Set Mid-Fire

Test Sample IDs  Date Created 12/9/2005 Date Printed 11/10/2010

Ingredients	% or Amt.		Unity	Weight %	Mole %
Wollastonite	40.0				
Frit--Ferro 3110	20.0	Li <sub>2</sub> O			
Bentonite	6.7	Na <sub>2</sub> O	0.135	3.66	3.72
Ball Clay, Ceram	33.3	K <sub>2</sub> O	0.019	0.78	0.53
		MgO	0.054	0.95	1.49
		CaO	0.791	19.34	21.77
		SrO			
		BaO			
		ZnO			
		PbO			
		Subtotal Alkalis	0.155	4.44	4.25
		<b>Total Fluxes</b>	<b>1.000</b>	<b>24.74</b>	<b>27.51</b>
		Al <sub>2</sub> O <sub>3</sub>	0.308	13.70	8.48
		B <sub>2</sub> O <sub>3</sub>	0.018	0.55	0.50
		Fe <sub>2</sub> O <sub>3</sub>	0.009	0.65	0.26
		SiO <sub>2</sub>	2.290	59.93	62.99
		TiO <sub>2</sub>	0.009	0.32	0.26
		P <sub>2</sub> O <sub>5</sub>			
		Si:Al	7.43		
		Exp Coeff	76.68		
		L.O.I.	6.15		
Totals	100.0				
Add					

Glaze Photo

Recipe Cost, \$ / lb

**Comments**

On its own at Cone 5 is a semi matt. Do not use on pot bases as it will tend to stick to kiln shelves.  
 Add 3% copper carb & 3% red iron oxide for yellow green, that is charcoal in the recesses of texture.  
 Good used under dry glaze or crawling glazes.  
 Base + 15% black stain for semi matt black (also good under a clear)  
 Base + 15% red iron oxide for iron red  
 WSI Nepean  
 Rob Linigen