

TERRA SIGILLATA "EARTH SEAL" RECIPES

*LAWTON*

BASIC FORMULA (for 1 gallon):  
 14 cups WATER *Summer 92*  
 6 grms CALGON (water softener)  
 1500 grms CLAY (including colorant)

STEP ONE

Method "A": Add dry ingredients to water in a gallon glass jar. Shake vigorously for 2 minutes, making sure all particles are suspended.

Method "B": Add dry ingredients to water in a porcelain ball mill jar, include flint stones or porcelain balls to take up approx. 25% of jars' volume. Grind for 6 to 8 hours, then pour slip (through sheive to catch flints) into a gallon glass jar.

STEP TWO

Let slip settle undisturbed for @ least 2 1/2 hours. Siphon terra sig from upper (1/3 to 1/2 of ball milled slip, 1/4 of non-milled) section of sediment. It should be slightly lighter in color and have a specific gravity between 1.1 and 1.2.

HARD WHITE

water 14 cups  
 Calgon 6 grms.  
 Ball Clay 750 grms.  
 E.P.Kaolin 750 "

BLACK

water 14 cups  
 Calgon 6 grms  
 Redart Clay 1200 grms  
 Manganese DiOx 80 "  
 Cobalt Ox 140 "  
 Copper Carb 80 "

ORANGE RED

water 14 cups  
 Calgon 6 grms  
 Redart Clay 1500 grms  
*ser local terra cotta*

YELLOW

water 14 cups  
 Calgon 6 grms  
 Ball Clay 1350 grms  
 Yellow Stain 150 " (Mason#6481)

SALMON RED

water 14 cups  
 Calgon 6 grms  
 Ball Clay 750 grms  
 E.P.Kaolin 650 grms  
 Yellow FeO 100 "

PEACOCK

water 14 cups  
 Calgon 6 grms  
 Ball Clay 1300 "  
 Peacock 150 " (Mason#6266)  
 Cobalt Ox 50 "

PURPLE BROWN

water 14 cups  
 Calgon 6 grms  
 Ball Clay 750 grms  
 E.P.Kaolin 600 "  
 Crocus Martis 150 "  
*add direct to Hard wht sig.*

IVORY FLESH

water 14 cups  
 Calgon 6 grms  
 Ball Clay 1325 "  
 Redart Clay 100 "  
 Bermuda Stain 75 " (Mason#6242)

OTHER COLOR ADDITIONS:

Batch mix these color recipes, add various %'s of color batch to Basic Terra Sig Formula (above). Ball mill.

PINKS !

	<u>A</u>	<u>B</u>	<u>C</u>
Tin Oxide	50	45	10
Calcium Sulfate		68	
Flint	18	21	
Whiting	22	20.8	40
Fluorspar	7	44	
Potassium Bichromate		2	
Lead Chromate	3		
CHROME OX			40

BLACK

Black FeO	35
Cobalt Ox	30
Nickel Ox	14
Mang DiOx	13
Chrome Ox	8