

Paul Linhares Recipes

WHITE SLIP

Cone 1 Oxidation

Custer Feldspar	25 %
C&C Ball Clay	25
EPK Kaolin	25
Silica (200 Mesh)	25
	<u>100 %</u>

Add:

Zircopax	10 %
Rutile	1 %

*Add ¼ cup CMC water per 1000 grams.

NC-14 CLEAR

Cone 1 Oxidation

Gillespie Borate	15 %
Lithium Carbonate	7
Ferro Frit 3110	40
EPK Kaolin	10
Silica (325 Mesh)	28
	<u>100 %</u>

Add:

Bentonite (325 Mesh)	2 %
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For Antique White Glaze Add:

Red Iron Oxide	4 %
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*Add ¼ cup CMC water per 1000 grams.

*CMC WATER

CMC is Carboxymethylcellulose gum. It is added to many processed food products to give them "mouth feel." I have been using it in slips and glazes for quite some time. It gives a great fluidity to the slurry and adds a dry strength to raw glazed ware. Thick slips that are meant to give the work some texture lose a little punch in the drying process without some CMC water in the mix.

To make CMC water, mix 100 grams powdered CMC with 1 U.S. gallon or 3.8 liters really hot water. Let sit overnight and then mix into glaze in the quantities above.



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BLUE MIX

I started making this color blend after the Chinese blue and white porcelain painters visited West Virginia University as part of their exchange program with Jingdezhen Ceramic Institute. They told us how to make the authentic color and this is my version. I pre-mix 5 grams of Cobalt Oxide, 4 grams of Red Iron Oxide, and 1 gram of Manganese Dioxide as a dry compound and then add it like a regular colorant to my recipes.

BRUSHABLE COLOR MIXES

Dry mix a 1000 gram batch of the NC-14 clear base and blend in these proportions:

For Cobalt:

Blue Mix	10 %
NC-14 Clear	90 %

For Copper:

Copper Carbonate	20 %
NC-14 Clear	80 %

For Iron:

Red Iron Oxide	50 %
NC-14 Clear	50 %

