

Scott Wenzlau

My tests were run using the following clay body and glaze base:

<u>Betty's White Earthenware 04-02</u>	<u>Younquist Lithium 04</u>
50 EPK	15 Lepidolite
50 Ball clay	10 Spodumene
50 A.P. Green Fireclay	30 Lithium Carb
15 Fine grog or sand	20 Gerstley Borate
15 Tale	25 Zircopax
4 Bentonite	Variegated, satiny-matt

I have not experienced any fit problems using Younquist on the following bodies:

<u>Woodman's Red Earth 04/03</u>	<u>Clara's White 04/03</u>
50 Redart	100 Tile-6 Kaolin
50 Ball clay	100 Ball clay
50 A.P. Green Fire (subst. Hawthorne)	100 Fire clay
50 Newman	50 Tale
25 Tale	25-100 Mixed grog to taste
25-75 Mixed grog to taste	
4 Bentonite	

The following alterations were made to the glaze base recipe with the goal of achieving a drier surface:

1. +3% Magnesium Carb
2. +10% Tale
3. +10% Ball clay
4. +5% Alumina Hydrate
5. +50% Wood Ash
6. +10% Cryolite

The only variations to produce any appreciable drying (though slight) were alumina hydrate (most effect), and cryolite (less effect). I would suggest doubling the amounts of these two for retesting. The wood ash warmed the base considerably to a brownish/manganese color.