

FUSED SILICA (Soda Feldspar based)

Porcelain Casting Slip
(Linda Swanson)
Cone 9
43.7 Grolleg
25.2 Flint
31.1 Minspar 200

The fused silica tests we did were mixes of clay and fluxes, in this section we used predominantly Soda Feldspars. We mixed porcelain slip and the fluxes in 25/75, 50/50, and 75/25 ratios, and we have included the final recipe calculations.

Fused Silica (orig.)
38.5 Custer Feldspar
44 Silica
12 EPK
5.5 Dolomite

The recipes were mixed to a glaze consistency and were sprayed using a glaze spray gun onto textured bisqued tiles. They were then fired up to cone 6 and cone 9.

To limit the waste when spraying into the spray booth we used a plastic sheet underneath the tiles so that we could scrape up the excess material and add it back into the container.



21.85 Grolleg
15.55 Minspar
34.6 Silica
19.25 Custer Feldspar
6 EPK
2.75 Dolomite

10.93 Grolleg
7.78 Minspar
39.4 Silica
28.74 Custer Feldspar
9 EPK
4.15 Dolomite

32.6 Grolleg
23.4 Minspar
30 Silica
9.7 Custer Feldspar
3 EPK
1.3 Dolomite



9.75	Nepheline Syenite	19.5	Nepheline Syenite	29.2	Nepheline Syenite
29.8	Silica	34.6	Silica	39.2	Silica
32.6	Grolleg	21.85	Grolleg	10.9	Grolleg
2.75	EPK	5.5	EPK	8.4	EPK
1.5	Dolomite	3	Dolomite	4.5	Dolomite
23.6	Minspar	15.55	Minspar	7.7	Minspar



7.3	Grolleg	12.5	Grolleg	16.4	Grolleg
5.2	Minspar	8.8	Minspar	11.7	Minspar
32	Custer Feldspar	27.5	Custer Feldspar	24.1	Custer Feldspar
40.9	Silica	38.6	Silica	36.9	Silica
10	EPK	8.6	EPK	7.5	EPK
4.6	Dolomite	4	Dolomite	3.4	Dolomite