

**INTERMEDIATE CLASS
CLAYS, ENGOBE AND GLAZES FOR CONE 2 TILEMAKING**

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RED TILE CLAY BODY C 1-3

50 red brick clay (denver)
25 apache red earthenware clay
15 hawthorne bond fireclay
10 talc

WHITE TILE CLAY BODY C 1-3

35 hawthorne bond fireclay
25 saggar clay
10 ball clay
10 talc
20 coarse grog (16m. or 30m. or both)

ENGOBE - BASE WHITE - CONE 1-8

25 edgar plastic kaolin (EPK)
25 ball clay
20 silica (flint)
15 nepheline syenite
5 talc
plus: 10 zircopax

FOR COLORED ENGOBES OR GLAZES - use base white engobe or base glaze and add 10% of various glaze stains from Mason Color and Chemical or the standard percentages of coloring oxides.

CONE 1-3 GLAZES

#1 - MILKY-WHITE TRANSLUCENT (CONRAD BOOK)

42.2 custer feldspar
24.1 gerstley borate
18.0 silica (flint)
9.4 zinc oxide
4.8 edgar plastic kaolin (EPK)

#3 - MILKY-WHITE TRANSLUCENT (NELSON BOOK)

38.5 custer feldspar
17.5 gerstley borate
22.5 silica (flint)
8.2 zinc oxide
6.8 barium carbonate
6.5 talc

#6 - LEAD BISILICATE CLEAR (CONRAD BOOK #749 VARIATION)

45 lead bisilicate (ceraflux)
30 gerstley borate
25 ball clay

#6c - for lead bisilicate amber clear: add 3% burnt umber to #6 base

#7 - CREAM (BLUE BOOK - C GLAZE)

60 gerstley borate
10 edgar plastic kaolin (EPK)
30 silica (flint)