

Research Title      Leadless Frit Glaze for Hang Dong Pottery

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Abstract

Leadless frit in borosilicate form was prepared, to used as a frit glaze for the interior of Hang Dong earthenware. It was found that the most suitable borax frit consisted of 60 % borax, 15 % quartz, 5 % feldspar and 20 % sodium carbonate. This frit was used as a raw material for frit glaze and colored frit glaze in order to decrease a maturing temperature of glaze. The suitable leadless frit glaze consists of 60 % borax frit, 13 % quartz , 22 % feldspar and 5 % kaolin clay. This frit glaze has maturing temperature between 850 °C to 1000 °C.