

A LOW TEMPERATURE SANITARYWARE BODY

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The increasing demand in recent years throughout the country for medium size squatting pans has brought with it the realization by industry of the urgent need to formulate sanitaryware bodies to be fired at low temperature, in order to utilize the excess kiln capacities of available low temperature kilns, which are fired to 1150°C. An account is given on the formulation of a new low temperature sanitaryware body and glaze for the production of squatting pans at the Piliyandala Ceramic Factory. The properties of the casting slip, its green and fired strengths including water absorption are discussed and it is concluded that the results obtained for the new body are very similar to the properties of the present sanitaryware body fired to a high temperature (1250°C). The coefficient of expansion shows that the glaze records a slightly smaller expansion than that of the body allowing a perfect match between glaze and body revealing that the new low temperature sanitaryware body would be devoid of crazing or peeling.