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CEYLON STANDARD 160 : 1972
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SPECIFICATION FOR
BALL CLAY FOR CERAMIC INDUSTRY

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BUREAU OF CEYLON STANDARDS

**SPECIFICATION FOR
BALL CLAY FOR CERAMIC INDUSTRY**

C. S. 160 : 1972

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CEYLON STANDARD SPECIFICATION FOR BALL CLAY FOR CERAMIC INDUSTRY

FOREWORD

This Ceylon Standard has been prepared by the Drafting Committee on Ceramics. It was approved by the Civil Engineering Divisional Committee of the Bureau of Ceylon Standards and was authorised for adoption and publication by the Council of the Bureau on 3rd October 1972.

The term ball clay is applied to a large group of sedimentary highly plastic clays, usually dark in colour but burning to a white or creamy body. Ball clay resembles the secondary kaolins in that kaolinite is the chief constituent, although the content of impurities is higher. Ball clay differs from China clay by its greater toughness and plasticity, better bonding power and lower refractoriness.

Ball clay is widely used in the ceramic industry. It is chiefly used for china and earthenware and as a bonding material for harder and less plastic clays in refractories and stoneware. In whiteware bodies it plays a dual role in increasing the plasticity of the raw mix and the content of flux.

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value observed or calculated expressing the result of a test or observation shall be rounded off in accordance with C. S. 102: Ceylon Standard on Presentation of Numerical Values. The number of figures to be retained in the rounded off values shall be the same as that of the specified value in this standard.

In the preparation of this standard considerable assistance has been derived from the Geological Survey Department, Ceylon Ceramics Corporation, and the publications of the Indian Standards Institution.

1. SCOPE

This standard prescribes the requirements, the methods of test and sampling of ball clay used in ceramic industry.