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**PIAWAI BRUNEI DARUSSALAM
BRUNEI DARUSSALAM STANDARD**

Specification for

BURNT CLAY BRICKS

**MINISTRY OF DEVELOPMENT
NEGARA BRUNEI DARUSSALAM**

PBD 20 : 1997

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**Construction Planning and Research Unit
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BURNT CLAY BRICKS

PIAWAI BRUNEI DARUSSALAM

PBD : 1997

First Edition

Attention is drawn to the fact that this Brunei Darussalam Standard does not confer any immunity from legal obligations in any contract for compliance to the Standard.

The Brunei Darussalam Standards are subject to periodical review according to the current needs of the local industries to keep abreast of progress in the industries concerned. Suggestions of amendments will be recorded and in due course brought to the notice of the committees concerned.

Amendments issued since publication :

Amd No.	Date of issue	Text affected

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FOREWORD

Clay brick is one of the common materials used in building construction. Clay bricks has generally been regarded as a durable material and somewhat more expensive than other similar material such as cement blocks on surface area basis. However, clay brick still plays a major role as construction material in building construction. This is probably because of its proven record and the reluctance of the construction industry in using other alternative materials.

The standardization of a product is aimed at providing a better and consistent product and improving the efficient use of such product, hopefully achieving overall economy.

There are 2 major brick manufacturers in Brunei Darussalam which cater for the local needs. Clay Bricks are also imported from neighboring countries to supplement shortage of supply. At present, there is no fixed standard to guide the users of clay bricks. It is hoped that this standard will set the basis for manufacturers to adjust the equipment and processes in the future to conform to this standard. It will therefore be necessary for this particular standard to be reviewed as and when required.

This Brunei Darussalam Standard was prepared by the Technical Committee on Bricks under the authority of the Standards Committee, Ministry of Development. This Standard was published with all specifications reviewed to the current needs of the local building industry and the production capacity and existing facilities of the manufacturers.

Present practice in Brunei Darussalam does not require clay bricks to be tested for Soluble Salts and Efflorescence. These tests are only required for prestigious buildings or as when required by the Client or Engineer.

This Standard should be considered as complementary to any further codes of Practice on Brickworks and Load Bearing walls.

In preparing this specification, references was made to the Singapore Standard SS 103 : 1974 : "Specification for Burnt Clay and Shale Bricks" and British Standard BS 3921 : 1985: "British Standard Specification for Clay Bricks".

Acknowledgment is made for the use of the information from the above reference and the valuable contribution by Mr. Tang Kum Chuen who drew up the preliminary draft.

COMMITTEE REPRESENTATION

The Technical Committee on Burnt Clay and Shale Bricks was entrusted by the Ministry of Development for the preparation of this Brunei Darussalam Standard. The members of the Technical Committee are as follows:-

- | | | |
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PART 1 : SPECIFICATION

1. SCOPE

This specification lays down requirements for dimension, quality and strength of bricks of burnt clay or shale.

2. APPLICATION

This specification provides for the grading of bricks on the basis of dimensional variation and compressive strength.

3. DEFINITION

For the purpose of this standard the following definition shall apply:

3.1 Common Bricks. Bricks intended for general building work but having no special claim to give an attractive appearance.

3.2 Facing Bricks. Bricks generally intended for use in location where they will be exposed to view and the actions of weather, and not intended to be cement rendered or otherwise decoratively treated after installation.

4. WORKMANSHIP AND FINISH

4.1 Quality. Bricks shall be manufactured to meet the general requirements of this specification. They shall be free from such cracks, voids, warpage, stones or particles of lime as would affect its safe and efficient use.

4.2 Shape. Bricks shall be of uniform shape with rectangular surfaces and straight arrises. They may be solid with or without frog, or perforated with straight holes.

4.3 Surface Finish. Facing bricks may be glazed, or textured on one or more sides.