

PBD 6 :
Part 3 : 1993



PIAWAI BRUNEI DARUSSALAM
BRUNEI DARUSSALAM STANDARD

Concrete

**Part 3. Specification for the procedures to be used
in producing and transporting concrete**

MINISTRY OF DEVELOPMENT
NEGARA BRUNEI DARUSSALAM

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**Construction Planning and Research Unit
Ministry of Development
Old Airport, Jalan Berakas
Bandar Seri Begawan 1190
Negara Brunei Darussalam**

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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

CONTENTS

	Page
Foreword	4
Committees representation	6

Specification

0 Introduction	7
1 Scope	7
2 Definitions	7
3 Information to be provided by the producer	8
4 Production of concrete	12

FOREWORD

This Brunei Darussalam Standard was prepared by the Technical Committee on Concrete under the authority of the Standards Committee, Ministry of Development.

This standard was published with all specifications reviewed in accordance to the current needs of the local building industry.

This standard covers the methods for specifying and producing concrete as a construction material up to the point of delivery into the construction. The standard is in four Parts:

Part 1. Guide to specifying concrete

Part 2. Methods for specifying concrete mixes

Part 3. Specification for the procedures to be used in producing and transporting concrete

Part 4. Specification for the procedures to be used in sampling, testing and assessing compliance of concrete

Part 1 provides guidance to the specifier and purchaser of concrete on the selection of requirements for materials and concrete mixes. Part 2 provides a choice of methods by which the purchaser can convey the selected requirements to the producer. Part 3 specifies for the producer the procedures to be used in producing and transporting the concrete. Part 4 specifies the procedures to be used by the purchaser in sampling, testing and assessing concrete for compliance.

This standard provides methods for specifying concrete mixed on site or in a precast concrete factory and for the purchase and supply of ready-mixed concrete. It takes account of the distinct and different responsibilities of the purchaser and the producer. There are a number of instances in which the purchaser has to select from the various options given in this standard in order to specify the concrete required. The purchaser is responsible for passing on to the producer the requirements of the specifying body, e.g. the engineer's or architect's specification, together with any additional requirements. Throughout this standard the terms 'specify' and 'specification' are used

in relation to both sets of requirements. There may be occasions where it is advantageous for economic or technical reasons to propose changes to the specification. In such cases the producer and purchaser should agree on the proposed amendments for approval and sanction by the specifying body.

Precautions need to be taken when working with cement and wet concrete and attention is drawn to these in PBD 6 : Parts 3 and 4.

This standard covers concrete produced by normal methods, but it does not apply to precast concrete products where Brunei Darussalam Standard specification contain the specification of the concrete. Many of the requirements of the standard, e.g. the use of and the control of production, apply equally to precast concrete and to in situ concrete. However, some of its requirements concerning the responsibilities of the purchaser and producer may not apply in the case of precast concrete.

Acknowledgement is made for the use of the British Standard BS 5328 : Part 3 : 1990 "Specification for the procedures to be used in producing and transporting concrete" on which this standard is based.

COMMITTEE REPRESENTATION

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

- | | |
|--------------------------------------|---|
| 1. Pg Hj Matusin Pg Hj Matasan | Ministry of Development |
| 2. Awg Hj Yusop Hj Ibrahim | Ministry of Development |
| 3. Dyg Masni Hj Mohsin | Ministry of Industry & Primary Resources |
| 4. Dr. A. Q. Malik | University of Brunei Darussalam |
| 5. Awg Karunatne | Pertubuhan Ukur Jurutera Arkitek (PUJA) |
| 6. Awg Chiong Siong Khai | TECA Sdn Bhd |
| 7. Awg Anthony Wong | Ove Arup |
| 8. Awg Moo Kwang Yin | Ministry of Defence |
| 9. Awg Nicholas Leong | Brunei Shell Petroleum |
| 10. Awg Abd Latif Ali | Maktab Teknik Sultan Saiful Rijal |
| 11. Awg Abd Hakim Hj Hanafiah | Housing Development Department |
| 12. Awg Amer Hamzah Hj Abd Karim | Public Works Department |
| 13. Dyg Suzana Hj Awg Adenan | Public Works Department |
| 14. Awgku Shariful PSI Pg Hj. Ismail | Petroleum Unit, Prime Minister's Department |

Specification

0 Introduction

This Part of PBD 6 gives the basic requirements to be observed by the producer, who supplies concrete specified in accordance with this standard, during the manufacture of the concrete, including the standards for the plant and the use of quality control procedures. The technical requirements for the transport and delivery of ready-mixed concrete apply also when a contractor produces concrete at a central plant and transports it by vehicles to the point of use on site.

Purchasers ordering in accordance with this standard are advised to specify quality assurance requirements for materials or for concrete in their purchasing contracts to assure themselves that products specified in accordance with PBD 6 consistently achieve the required level of quality.

1 Scope

This Part of PBD 6 specifies the procedures to be followed when producing and transporting concrete that has been specified in accordance with PBD 6 : Part 2.

NOTE. The titles of the publications referred to in this standard are listed on page 21.

2 Definitions

For the purposes of this Part of PBD 6 the definitions given in PBD 6 : Part 1 and BS 6100 apply.