

PBD 2 : 1992



PIAWAI BRUNEI DARUSSALAM
BRUNEI DARUSSALAM STANDARD

Specification for

**Steel fabric for the
reinforcement of concrete**

MINISTRY OF DEVELOPMENT
NEGARA BRUNEI DARUSSALAM

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**Construction Planning and Research Unit
Ministry of Development
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Steel fabric for the reinforcement of concrete

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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

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FOREWORD

This Brunei Darussalam Standard having been adopted from the British Standard BS 4483 : 1985, and prepared under the direction of the Technical Committee on Steel for the Reinforcement of Concrete was endorsed by the Ministry of Development and was first published in 1992.

This standard was published with all specifications reviewed in accordance to the current needs of the local building industry and the British Standard BS 4483 : 1985.

In preparing this standard, references are made to the following :-

- | | |
|-------------------|--|
| 1. PBD 3 : 1992 | Specification for carbon steel bars for the reinforcement of concrete. |
| 2. PBD 4 : 1992 | Specification for scheduling, dimensioning, bending and cutting of steel reinforcement for concrete. |
| 3. PBD 5 : 1992 | Specification for cold reduced steel wire for the reinforcement of concrete. |
| 4. BS 5135 : 1984 | Specification for arc welding of carbon and carbon manganese steels. |
| 5. BS 5750 : 1987 | Quality Systems
Part 2 : Specification for production and installation. |

Acknowledgement is made for the use of the British Standard BS 4483 : 1985 "Steel fabric for the reinforcement of concrete" on which this standard is based. Any reference to "British Standard" and "BS no." are replaced with "Brunei Darussalam Standard" (Piawai Brunei Darussalam) and "PBD no." as appropriate.

COMMITTEE REPRESENTATION

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

Awang Michael Ng	Ministry of Development
Awang Yusop Haji Ibrahim	Ministry of Development
Awang Haji Md Zin Haji Salleh	Public Works Department
Awang Mahendran Coomareswamy	Public Works Department
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Awang Laurie Harris	Cooper McDonald & Partners
Awang Haji Mustafa Abu Bakar	Brunei Institute of Technology
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Specification

1 Scope

This Brunei Darussalam Standard specifies requirements for factory-made welded steel fabric manufactured from plain or deformed wires* complying with PBD 3 or PBD 5 for the reinforcement of concrete.

Welded wire fabric and steel mesh products for other purposes are not included in this standard.

2 Definitions

For the purposes of this Brunei Darussalam Standard the following definitions apply.

2.1 batch. Any quantity of fabric of one type presented for examination and test at any one time.

2.2 bundle. Two or more sheets of fabric properly bound together.

2.3 cross wires. The wires on the upperside of a sheet or roll of fabric when viewed as shown in figure 2.

2.4 fabric. A cross-over arrangement of longitudinal wires and cross wires that are welded together at some or all of the cross-over points in a shear resistant manner complying with 12.2.

2.5 length

- (1) Of wire. A piece, nominally straight, cut to a specified length.
- (2) Of roll or sheet. The overall dimension of the fabric measured in the direction of the longitudinal wires.

2.6 longitudinal wires. The wires on the underside of a sheet or roll of fabric when viewed as shown in figure 2.