MALAYSIAN STANDARD

MS 606 : 1991
ICS : 77.140.50

SPECIFICATION FOR HOT DIP ZINC COATED SHEET AND COIL (FIRST REVISION)

SIRIM
STANDARDS & INDUSTRIAL RESEARCH INSTITUTE OF MALAYSIA

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SIRIM wishes to draw attention to the fact that this Malaysian Standard does not purport to include all the necessary provisions of a contract.

The Malaysian Standards are subject to periodical review to keep abreast of progress in the industries concerned. Suggestions for improvements will be recorded and in due course brought to the notice of the Committees charged with the revision of the standards to which they refer.

The following references relate to the work on this standard:
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Committee representation

The Building and Civil Engineering Industry Standards Committee under whose supervision this Malaysian Standard was prepared, comprises representatives from the following Government Ministries, trade, commerce and manufacturer associations and scientific and professional bodies.

Master Builders' Association
Malaysian Institute of Architects
Ministry of Works and Utilities (Public Works Department)
Ministry of Housing and Local Government (Housing Division)
Institution of Engineers (Malaysia)
Universiti Teknologi Malaysia
Association of Consulting Engineers (Malaysia)
Chartered Institute of Building (Malaysia)

The Technical Committee on Iron and Steel Products which prepared this Malaysian Standard consists of the following representatives:

Dr. Teh Ser Kok (Chairman)	Universiti Malaya
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Encik Lai Moo Chan	Master Builders Association Malaysia
Encik Rosly bin Aziz	Malaysian Industrial Development Authority, Ministry of Trade and Industry
Puan Jasmin bt. Baba/Encik Nor Hisham	Universiti Teknologi Malaysia
Encik Shikh Shatir Shikh Ahmad	Federation of Malaysian Manufacturers
Encik Lee Pai Sang	Malaysian Iron & Steel Industry Federation
Encik Oh Joo Tien/Tuan Ngah Baru	Perwaja Terengganu Sdn. Bhd. HICOM
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Encik Low Guan Tui	Factories and Machinery Department
Encik Ooi Cheng Lee (Secretary)	Standards and Industrial Research Institute of Malaysia

Co-opted members:

Encik Lee Ching Kion/Encik Cheng Kok An	Amalgamated Steel Mills Sdn. Bhd.
Encik Najeeb Norman/Encik Lee Yoke Seng	Malaysian Prestressed Concrete Strand Manufacturing Sdn. Bhd.
Encik Yim Lon Chong	U-Hoe Industries Sdn. Bhd.
Encik Goh Hong Yen/Encik David Adrian Khoo/ Encik Chuah Teik Wah/Encik Low Hua Kiang	Federal Iron Works Sdn. Bhd.
Encik Ham Sai Kit	South Malaysia Industries Bhd.
Encik Ooi Hoay Beng/Encik Tony Lee Khim Meng	John Lysaght (M) Sdn. Bhd.
Encik Tan Tock Kwee	Malayawata Steel Bhd.
Encik Lee Boon Ming/Encik Paul Lim	Southern Iron & Steel Works Sdn. Bhd.
Encik Soong Kok Shing	Malaysian Galvanized Iron Works Sdn. Bhd.
Encik Shamsudin Abdul Kadir	Defence Science and Technology Centre, Ministry of Defence
Encik Goh Boon Siew	North Malaya Engineers Trading Co. Sdn. Bhd.
Encik Tan Cheong Ming	Standards and Industrial Research Institute of Malaysia

FOREWORD

This Malaysian Standard was prepared by the Technical Committee on Iron and Steel Products under the authority of the Building and Civil Engineering Industry Standards Committee. It is the first revision of MS 606 which was first published in 1979.

BS 2989 : 1982 'Specification for hot-dip zinc coated steel sheet and coil' was used for the purpose of revision of this Malaysian Standard. Reference was also made to the following standards:

(a) JIS G 3302 : 1979 'Galvanized sheets'.

(b) AS 1397 : 1984 'Steel sheet and strip-hot-dipped zinc-coated or aluminium/zinc-coated'.

This revised Malaysian Standard has a number of significant differences compared with BS 2989 : 1982. These are summarised below:

(1) This Malaysian Standard covers strip and sheet (defined as material of thickness of not more than 3 mm) but not plate (defined as material of thickness of more than 3mm). BS 2989 : 1982 covers strip, sheet and plate.

(2) Iron-zinc alloy coating is excluded from this standard but is specified in BS 2989 : 1982.

(3) This standard uses the symbol 'G' for grade and 'Z' for zinc coating whereas it is vice-versa in BS 2989 : 1982.

(4) Unlike in BS 2989 : 1982 the surface finishes are not stated for the various grades but are subject to agreement between supplier and purchaser.

(5) Determination of coating is by both the single and triple spot tests. BS 2989 : 1982 allows either test to be used.

(6) The Malaysian Standard has the additional coating types Z120, Z150, Z180, Z220 and Z250.

(7) Minimum specimen area for coating mass tests is 2000 mm^2 compared to 5000 mm^2 specified in BS 2989 : 1982.

(8) The nominal thickness and nominal width differ from those in BS 2989 : 1982.