MALAYSIAN STANDARD

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SPECIFICATION FOR ZINC COATINGS ON STEEL WIRE (FIRST REVISION)

STANDARDS & INDUSTRIAL RESEARCH INSTITUTE OF MALAYSIA

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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 association and scientific and professional bodies.

Association of Consulting Engineers (Malaysia)

Institution of Engineers, Malaysia

Malaysian Institute of Architects

Master Builders' Association

Ministry of Housing Local Government (National Housing Department)

Ministry of Works and Utilities (Public Works Department)

University of Malaya

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

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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 Hisha	Universiti Teknologi Malaysia
Encik Shikh Shatir Shikh Ahmad	Federation of Malaysian Manufacturers
Encik Lee Pai Sang	Malaysian Iron & Steel Industry Federation
Enciik Oh Joo Tien/Tuan Ngah Baru	Perwaja Trengganu Sdn. Bhd., HICOM
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Encik Goh Boon Siew	North Malaya Engineers Trading Co. Sdn. Bhd.
Encik Tan Cheong Ming	Standards and Industrial Research Institute of Malaysia
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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 407 which was first published in 1976. In this revision, reference was made to BS 443 : 1982 'Specification for testing zinc coatings on steel wire and for quality requirements'.

A major change featured in this revision is the Preece test being made an optional requirement. In view of its limitations, the Preece test may only be used as a qualitative test for uniformity of coating. It is intended only to reveal any serious eccentricity of coating that could lead to failure over a portion of the circumference, even though the total mass of coating be in accordance with the standard. It is noted that the Preece test has been retained as a standard requirement in BS 443 : 1982 but has been deleted from newly published ASTM wire standards. Another significant change is the deletion of all imperial units. The standard has also been changed in editorial format to separate the test methods and quality requirements.

The standard coatings specified in section three are intended for wide variety of wire applications in which medium/long term protection of the steel against corrosion is desired. It is emphasized that the protection afforded by the zinc is sacrificial and the duration of the protection is therefore dependent on the conditions in which the zinc coated wire will be expected to function.