



# MALAYSIAN STANDARD

MS ISO 20345:2008

**PERSONAL PROTECTIVE EQUIPMENT -  
SAFETY FOOTWEAR  
(FIRST REVISION)  
(ISO 20345:2004, COR. 1:2005, IDT)**

**ICS: 13.340.50**

Descriptors: personal protective equipment, specification, safety footwear

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## MS ISO 20345:2008

### Committee representation

The Industry Standards Committee on Occupational Health and Safety (ISC W) under whose authority this Malaysian Standard was adopted, comprises representatives from the following organisations:

Business Council for Sustainable Development Malaysia  
Chemical Industries Council of Malaysia  
Construction Industry Development Board Malaysia  
Department of Agriculture Malaysia  
Department of Chemistry, Malaysia  
Department of Environment, Malaysia  
Department of Mineral and Geoscience Malaysia  
Department of Occupational Safety and Health Malaysia  
Department of Standards Malaysia  
Federation of Malaysian Manufacturers  
Jabatan Bomba dan Penyelamat Malaysia  
Lloyd's Register Technical Services Sdn Bhd  
Malaysian Employers Federation  
Malaysian Industrial Hygiene Association  
Malaysian Institute for Nuclear Technology Research  
Malaysian International Chamber of Commerce and Industry  
Malaysian Society of Occupational Safety and Health  
Malaysian Trade Union Congress  
Ministry of Health Malaysia  
Ministry of International Trade and Industry  
National Institute of Occupational Safety and Health  
SIRIM QAS International Sdn Bhd  
Small and Medium Industries Development Corporation  
Suruhanjaya Tenaga  
The Institution of Engineers, Malaysia  
Universiti Kebangsaan Malaysia

The Technical Committee on Personal Safety - Protective Clothing and Equipment for Occupational Use which recommended the adoption of the ISO Standard consists of representatives from the following organisations:

3M Malaysia Sdn Bhd  
Construction Industry Development Board Malaysia  
Department of Occupational Safety and Health Malaysia  
Dupont Malaysia Sdn Bhd  
Federation of Malaysian Manufacturers  
Jabatan Bomba dan Penyelamat Malaysia  
Malaysian Association of Standards Users  
Malaysian Institute for Nuclear Technology Research  
Ministry of Health Malaysia  
National Institute of Occupational Safety and Health  
Offshore Structure Fabricators Association of Malaysia  
ProGuard Technologies (M) Sdn Bhd  
Projek Lebuh raya Utara-Selatan Berhad  
Science and Technology Research Institute for Defence  
SIRIM Berhad (Secretariat)  
SIRIM QAS International Sdn Bhd  
Universiti Malaya

#### Co-opted member:

Malaysian Footwear Manufacturer Association

## NATIONAL FOREWORD

The adoption of the ISO Standard as a Malaysian Standard was recommended by the Technical Committee on Personal Safety - Protective Clothing and Equipment for Occupational Use under the authority of the Industry Standards Committee on Occupational Health and Safety.

This Malaysian Standard is the first revision of MS 1599, *Specification for safety footwear for professional use* (previously numbered as MS EN 354:1998).

Major modification in this standard is that the basis has been changed from EN 345:1992, *Specification for safety footwear for professional use* to ISO 20345:2004, *Personal protective equipment - Safety footwear* and Technical Corrigendum 1:2005.

This Malaysian Standard is identical with ISO 20345:2004, *Personal protective equipment - Safety footwear*, including its Technical Corrigendum 1:2005, published by the International Organization for Standardization (ISO). However, for the purposes of this Malaysian Standard, the following apply:

- a) in the source text, "this International Standard" should read "this Malaysian Standard"; and
- b) the comma which is used as a decimal sign (if any), to read as a point; and
- c) reference to International Standards and European Standard should be replaced by equivalent Malaysian Standards as follows:

### Referenced International Standards

### Corresponding Malaysian Standards

EN ISO 20344, *Personal protective equipment - Test methods for footwear*

MS ISO 20344, *Personal protective equipment - Test methods for footwear*

This Malaysian Standard cancels and replaces MS 1599:1998.

Compliance with a Malaysian Standard does not of itself confer immunity from legal obligations.

NOTE. IDT on the front cover indicates an identical standard i.e. a standard where the technical content, structure, wording (or is an identical translation) of a Malaysian Standard is exactly the same as in an International Standard or is identical in technical content and structure although it may contain the minimal editorial changes specified in clause 4.2 of ISO/IEC Guide 21-1.

## **Foreword**

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 20345 was prepared by the European Committee for Standardization (CEN) in collaboration with Technical Committee ISO/TC 94, *Personal safety — Protective clothing and equipment*, Subcommittee SC 3, *Foot protection*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

Throughout the text of this document, read "...this European Standard..." to mean "...this International Standard...".

This first edition of ISO 20345 cancels and replaces ISO 8782-2:1998, which has been technically revised.

For the purposes of this International Standard the CEN annex regarding fulfilment of European Council Directives has been removed.

## Foreword

This document (EN ISO 20345:2004) has been prepared by Technical Committee CEN/TC 161 "Foot and leg protectors", the secretariat of which is held by BSI, in collaboration with Technical Committee ISO/TC 94 "Personal safety - Protective clothing and equipment".

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by February 2005, and conflicting national standards shall be withdrawn at the latest by August 2005.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

In conjunction with EN ISO 20344: 2004, this standard supersedes EN 345:1992 and EN 345-2:1996.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.