



MALAYSIAN STANDARD

MS 2665-1:2017

Playground surfacing - Part 1: Standard guide

ICS: 97.200.40

Descriptors: accessibility, g-max, HIC, impact attenuation, playground, shock attenuation, surface system, wood fiber

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Committee representation

The Industry Standards Committee on Mechanical Engineering (ISC F) under whose authority this Malaysian Standard was adopted, comprises representatives from the following organisations:

Department of Occupational Safety and Health Malaysia
Department of Standards Malaysia
Jabatan Kerja Raya Malaysia
Machinery and Equipment Manufacturers' Association
Malaysian Industrial Development Authority
Malaysian Iron and Steel Industry Federation
Ministry of International Trade and Industry
National Institute of Occupational Safety and Health
Petroleum Nasional Berhad
Science and Technology Research Institute for Defence
SIRIM Berhad (Secretariat)
SIRIM QAS International Sdn Bhd
Suruhanjaya Perkhidmatan Air Negara
Suruhanjaya Tenaga
The Institution of Engineers, Malaysia
Universiti Kebangsaan Malaysia
Universiti Malaya
Universiti Sains Malaysia
Universiti Teknologi Malaysia

The Technical Committee on Mechanical Safety for Consumer Use which recommended the adoption of the ASTM Standard as Malaysian Standard consists of representatives from the following organisations:

Consumers Association of Penang
Department of Chemistry, Malaysia
Department of Occupational Safety and Health Malaysia
Malaysian Association of Standards Users
Ministry of Domestic Trade, Co-operatives and Consumerism
Ministry of Health Malaysia
SIRIM Berhad (Secretariat)
SIRIM QAS International Sdn Bhd
The Institution of Engineers, Malaysia
Universiti Teknologi Malaysia

Co-opted members:

Dewan Bandaraya Kuala Lumpur
Fairmont Industries Sdn Bhd
Greenhill Industries Sdn Bhd
Institut Landskap Akitek Malaysia
Jabatan Landskap Negara
Ministry of Health Malaysia (Engineering Services Division)
Perbadanan Putrajaya
Playground Safety Association of Malaysia
Pro Landscape Structure Sdn Bhd
Unique Green Recreation Sdn Bhd
Universiti Teknologi MARA

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Foreword

The adoption of the ASTM Standard as a Malaysian Standard was recommended by the Technical Committee on Mechanical Safety for Consumer Use under the authority of the Industry Standards Committee on Mechanical Engineering.

This Malaysian Standard is identical with ASTM F2223-15, *Standard guide for ASTM standards on playground surfacing*, published by the ASTM International with the exceptions as listed below.

a) Clause/Subclause	Exceptions
Title	Change the title to, <i>Playground surfacing - Part 1: Standard guide</i>
1.2 Scope	Replace “existing ASTM” with “relevant”
2.3 Government publications	Any publications under this clause shall be referred to national statutory authority
7.6.1	Exclude -1 °C as one of test temperature due to the hot and humid climate in Malaysia
7.6.4, 10.6	Exclude surface condition on “frozen, snow or ice”
General	With regard to accessibility to the playground, MS 1184 shall be made reference if applicable.

b) reference to ASTM Standards should be replaced by equivalent Malaysian Standards as follows:

<u>Referenced ASTM Standards</u>	<u>Corresponding Malaysian Standards</u>
ASTM F 1487, <i>Standard consumer safety performance specification for playground equipment for public use</i>	MS 966, <i>Playground equipment - Safety performance for public use - Specification</i>
ASTM F 1292, <i>Specification for impact attenuation of surfacing material within the use zone of playground equipment</i>	MS 2665-2, <i>Playground surfacing - Part 2: Impact attenuation of surfacing material - Specification</i>

MS 2665 consists of the following parts, under the general title *Playground surfacing*:

Part 1: Standard guide

Part 2: Impact attenuation of surfacing material - Specification