MALAYSIAN STANDARD

MS 1787-3:2022

Wood-based panels – Part 3: Determination of dimensions of test pieces
(First revision)
(ISO 9424:2003, MOD)

ICS: 79.060

Descriptors: wood-based panels, determination, formaldehyde

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Committee representation

The National Standards Committee on Timber, Timber Products and Timber Structures (NSC 22) under whose authority this Malaysian Standard was adopted, comprises representatives from the following organisations:

Construction Industry Development Board Malaysia
Department of Standards Malaysia (Secretariat)
Forest Research Institute Malaysia
Jabatan Kerajaan Tempatan
Jabatan Kerja Raya Malaysia
Malaysian MDF Manufacturers Association
Malaysian Panel-Products Manufacturers' Association
Malaysian Timber Council
Malaysian Timber Industry Board
Malaysian Wood Industries Association
Malaysian Wood Moulding & Joinery Council
Malaysian Wood Preserving Association
Sabah Timber Industries Association
Sarawak Timber Association
Sarawak Timber Industry Development Corporation
Timber Exporters' Association of Malaysia
Universiti Putra Malaysia
Universiti Teknologi MARA

The Technical Committee on Wood-based Panels (NSC 22/TC 3) which supervised development of this Malaysian Standard consists of representatives from the following organisations:

Besgrade Products Sdn Bhd
Construction Industry Development Board Malaysia
Department of Standards Malaysia (Secretariat)
Dongwha Malaysia Sdn Bhd
Forest Research Institute Malaysia
HeveaBoard Berhad
Jabatan Kerja Raya Malaysia
Jowat Manufacturing (SEA) Sdn Bhd
Malaysian MDF Manufacturers Association
Malaysian Panel-Products Manufacturer's Association
Malaysian Timber Council
Malaysian Timber Industry Board
Perceptive Profile Sdn Bhd
Profina Plywood Sdn Bhd
Sarawak Timber Industry Development Corporation
Universiti Putra Malaysia
Universiti Sains Malaysia
Universiti Teknologi MARA

Foreword

This Malaysian Standard was developed by the Technical Committee on Wood-based Panels (NSC 22/TC 3) under the authority of the National Standards Committee on Timber, Timber Products and Timber Structures (NSC 22).

This first revision of MS 1787-3:2022 cancels and replaces MS 1787: Part 3: 2005, *Wood-based panels – Part 3: Determination of dimensions of test pieces*.

The modifications in this revision are as follows:

a) Figure 1 - addition of the label of test piece and sliding caliper in the figure.

b) Clause 8 (b) - replaced the word of “sampling report” to “sampling procedure”

MS 1787 consists of the following parts, under the general title, *Wood-based panels:*

Part 1: *Determination of dimensions of panels*
Part 2: *Sampling and cutting of test pieces*
Part 3: *Determination of dimensions of test pieces*
Part 4: *Determination of moisture content*
Part 5: *Determination of density*
Part 6: *Determination of swelling in thickness after immersion in water*
Part 7: *Determination of dimensional changes associated with changes in relative humidity*
Part 8: *Determination of moisture resistance under cyclic test conditions*
Part 9: *Determination of surface soundness*
Part 10*: Determination of modulus of elasticity in bending and of bending strength*
Part 11: *Determination of tensile strength perpendicular to the plane of the panel*
Part 12: *Determination of wet bending strength*
Part 13: *Determination of screw holding ability*
Part 14*: Determination of formaldehyde content by perforator method*
Part 15: *Determination of formaldehyde emission by desiccator method*

This Malaysian Standard will be used in reference to fibreboard, particleboard and oriented strand board, but does not include plywood.

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

NOTE. MOD on the front cover indicates a modified standard i.e., a standard adapted from an International Standard with permitted technical deviations, which are clearly identified and explained. The changes in structure are permitted provided that the altered structured permits easy comparison of the content of the two standards. Modified standards also include the changes permitted under identical correspondence.