



MALAYSIAN STANDARD

MS 1294-3:2017

**Wall and floor tiling - Part 3: Design and
installation of internal and external ceramic
and mosaic floor tiling in normal conditions -
Code of practice
(First revision)**

ICS: 91.060.10

Descriptors: design, installation, maintenance, floor tiling, ceramic tiles, mosaic

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Contents

	Page
Committee representation	ii
Foreword.....	iv
1 Scope.....	1
2 Normative references.....	1
3 Terms and definitions.....	1
4 Exchange of information and time schedule	4
5 Materials.....	6
6 Design	12
7 Application of tiles - Methods and materials	37
8 Application of mosaics - Methods and materials	49
9 Inspection	52
10 Protection	52
11 Cleaning and maintenance	53
Annex A Normative references	57
Annex B Tile fittings.....	59
Annex C Special conditions included in MS 1294-4.....	63
Annex D Tiling onto underfloor heated bases	65
Annex E Pumped calcium sulphate-based screeds	74
Annex F Cement and sand levelling screeds conforming to BS 8204-1	79
Annex G Recommended method for the assessment of levels and surface regularity of levelling screeds.....	93
Annex H Cement and sand bedding	95
Annex J Guidance on the reduction of slip hazard	101
Bibliography	108

Committee representation

The Industry Standards Committee on Building, Construction and Civil Engineering (ISC D) under whose authority this Malaysian Standard was developed, comprises representatives from the following organisations:

Association of Consulting Engineers Malaysia
Construction Industry Development Board Malaysia
Department of Irrigation and Drainage Malaysia
Department of Standards Malaysia
Dewan Bandaraya Kuala Lumpur
Federation of Malaysian Manufacturers
Jabatan Bomba dan Penyelamat Malaysia
Jabatan Kerajaan Tempatan
Jabatan Kerja Raya Malaysia
Malaysian Plastics Manufacturers Association
Malaysian Timber Council
Malaysian Timber Industry Board
Master Builders Association Malaysia
Pertubuhan Akitek Malaysia
Pertubuhan Perancang Malaysia
Projek Lebuhraya Utara-Selatan Berhad
Real Estate and Housing Developers' Association Malaysia
SIRIM Berhad (Secretariat)
Suruhanjaya Perkhidmatan Air Negara
The Cement and Concrete Association of Malaysia
The Institution of Engineers, Malaysia
Universiti Sains Malaysia
Universiti Teknologi Malaysia

The Technical Committee on Ceramic Materials and Sanitary Fittings which supervised the development of this Malaysian Standard consists of representatives from the following organisations:

Building Materials Distributors Association of Malaysia
Construction Industry Development Board Malaysia
FMM Malaysian Ceramic Industry Group
IKRAM QA Services Sdn Bhd
Jabatan Kerja Raya Malaysia
Master Builders Association Malaysia
Ministry of Urban Wellbeing, Housing and Local Government
Pertubuhan Akitek Malaysia
SIRIM Berhad (Secretariat)
SIRIM QAS International Sdn Bhd (Product Certification Section)
SIRIM QAS International Sdn Bhd (Testing Services Department)
Suruhanjaya Perkhidmatan Air Negara
Universiti Teknologi MARA

Committee representation *(continued)*

The Working Group on Ceramic Tiles which developed this Malaysian Standard consists of representatives from the following organisations:

Building Materials Distributors Association of Malaysia

Ceramic Research Company Sdn Bhd

Construction Industry Development Board Malaysia

Ezi Motartech Sdn Bhd

FMM Malaysian Ceramic Industry Group

Jabatan Kerja Raya Malaysia

Kolej Kemahiran Tinggi MARA

Malaysian Mosaics Berhad

Mapei (M) Sdn Bhd

Master Builders Association Malaysia

Ministry of Urban Wellbeing, Housing and Local Government

Parex Group Sdn Bhd

Pertubuhan Akitek Malaysia

SIRIM Berhad (Advanced Polymer and Composites Programme)

SIRIM Berhad (Secretariat)

SIRIM QAS International Sdn Bhd (Civil and Construction Section)

SIRIM QAS International Sdn Bhd (Industrial and Consumer Certification Section)

Universiti Teknologi MARA

Foreword

This Malaysian Standard was developed by the Working Group on Ceramic Tiles under the authority of the Industry Standards Committee on Building, Construction and Civil Engineering.

In this standard, the word “should” is used to express recommendations of this standard. The word “may” is used in the text to express permissibility, e.g. as an alternative to the primary recommendation of the Clause. The word “can” is used to express possibility, e.g. a consequence of an action or an event. Notes and commentaries are provided throughout the text of this standard. Notes give references and additional information that are important but do not form part of the recommendations. Commentaries give background information.

Major modifications in this revision are as follows:

- a) the title has been changed from “*Wall and floor tiling. Part 3: Code of practice for the design and installation of ceramic floor and mosaics*” to “*Wall and floor tiling - Part 3: Design and installation of internal and external ceramic and mosaic floor tiling in normal conditions - Code of practice*”;
- b) the standard now recommends that only adhesives are used for bedding external tiling, although cement:sand mortar remains an alternative for bedding mosaics and some keybacked extruded tile;
- c) illustrations of movement joints have been included;
- d) tables for sealants and backgrounds have been revised; and
- e) cleaning and maintenance section has been added.

MS 1294 consists of the following parts, under the general title *Wall and floor tiling*:

Part 1: Design and installation of ceramic, natural stone and mosaic wall tiling in normal internal conditions - Code of practice

Part 2: Design and installation of external ceramic and mosaic wall tiling in normal conditions - Code of practice

Part 3: Design and installation of internal and external ceramic and mosaic floor tiling in normal conditions - Code of practice

Part 4: Design and installation ceramic and mosaic tiling in specific conditions - Code of practice

This Malaysian Standard cancels and replaces MS 1294: Part 3:1993, *Wall and floor tiling. Part 3: Code of practice for the design and installation of ceramic floor and mosaics*.

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