



MALAYSIAN STANDARD

MS 1216:2003

SPECIFICATION FOR RETROREFLECTIVE SIGN FACE MATERIALS (FIRST REVISION)

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Committee representation

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

Association of Consulting Engineers Malaysia
Chartered Institute of Building Malaysia
Construction Industry Development Board Malaysia
Department of Standards Malaysia
Jabatan Bomba dan Penyelamat Malaysia
Jabatan Perumahan Negara
Jabatan Kerja Raya Malaysia
Master Builders Association Malaysia
Malaysian Timber Industry Board
Pertubuhan Akitek Malaysia
Suruhanjaya Tenaga
The Institution of Engineers, Malaysia
Universiti Teknologi Malaysia

The Working Group on Retroreflective Sign Face Materials which prepared this Malaysian Standard consists of the following organisations:

3M (Malaysia) Sdn Bhd
ACP-DMT Sdn Bhd
Dewan Bandaraya Kuala Lumpur
Dumonic and Robson Manufacturing (M) Sdn Bhd
Jabatan Kerja Raya Malaysia
Lembaga Lebuhraya Malaysia
Majlis Keselamatan Jalan Raya, Kementerian Pengangkutan
OAK Trading (M) Sdn Bhd
Projek Lebuhraya Utara-Selatan Berhad
Reflexite (M) Sdn Bhd
SIRIM Berhad (Secretariat)
SIRIM QAS Sdn Bhd
Stimsonite (Aust) Pty Ltd
Universiti Kebangsaan Malaysia/REAM
Universiti Sains Malaysia/REAM
Universiti Teknologi MARA/REAM

FOREWORD

This Malaysian Standard was developed by the Working Group on Retroreflective Sign Face Materials under the authority of the Building and Civil Engineering Industry Standards Committee.

During the development of this Malaysian Standard, reference was made to ASTM D 4956: 1999, Standard specification for retroreflective sheeting for traffic control.

This Malaysian Standard is the first revision of MS 1216:1991, Specification for retroreflective sign face materials.

The main changes featured in this revised standards include:

1. new classification for the types of materials, the recommended typical applications and their backing classes;
2. new colourimetric performance, luminance factor and photometric performance tables which conform to each types of materials;
3. inclusion of new requirements, e.g. accelerated outdoor weathering, shrinkage, flexibility, liner removal, adhesion, impact resistance and fungus resistance; and
4. introduction of test methods for the new requirements and revised test procedure for colourimetric and luminance factor test, photometric test, and artificial accelerated weathering test.

This revised Malaysian Standard cancels and replaces MS 1216:1991.

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