



MALAYSIAN STANDARD

MS 1489-2:2023

**Fire extinguishing installations and
equipment - Part 2: Wet and dry firefighting
mains (First revision)**

ICS: 23.040.01

Descriptors: non-automatic firefighting, wet and dry firefighting, design, installation

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Committee representation

The National Standards Committee on Fire Safety (NSC 13) under whose authority this Malaysia Standard was developed, comprises representatives from the following organizations:

Association of Consulting Engineers Malaysia
Construction Industry Development Board Malaysia
Department of Chemistry Malaysia
Department of Occupational Safety and Health
Department of Standards Malaysia (Secretariat)
Fire and Rescue Department of Malaysia
Forest Research Institute Malaysia
General Insurance Association of Malaysia
Malaysian Fire Protection Association
Malaysian Institute of Architects
Malaysian Public Works Department (Mechanical Branch)
Master Builders Association Malaysia
Real Estate and Housing Developers' Association Malaysia
SIRIM QAS International Sdn Bhd (Product Certification and Inspection Department)
SIRIM QAS International Sdn Bhd (Testing Services Department)
Tenaga Nasional Berhad
The Institution of Engineers, Malaysia
The Institution of Fire Engineers (UK) Malaysia Branch
Universiti Kebangsaan Malaysia
Universiti Malaya
Universiti Putra Malaysia

The Technical Committee on Wet Fire Protection System (NSC 13/ TC 3) which developed this Malaysian Standard consists of representatives from the following organisations:

Association of Consulting Engineers Malaysia
Department of Standards Malaysia (Secretariat)
Federation of Malaysian Manufacturers
Fire and Rescue Department of Malaysia
Malaysian Fire Protection Association
Malaysian Institute of Architects
Malaysian Public Works Department (Mechanical Branch)
SIRIM QAS International Sdn Bhd (Product Certification and Inspection Department)
SIRIM QAS International Sdn Bhd (Testing Services Department)
The Institution of Engineers, Malaysia
The Institution of Fire Engineers (UK) Malaysia Branch
Universiti Putra Malaysia

Foreword

This Malaysian Standard was developed by the Technical Committee on Wet Fire Protection System (NSC 13/TC 3) under the authority of the National Standards Committee on Fire Safety (NSC 13).

This Malaysian Standard is a first revision of MS 1489-2:2012, *Fire extinguishing installations and equipment - Part 2: Wet and dry firefighting mains*.

MS 1489 consists of the following parts, under the general title *Fire extinguishing installations and equipment*:

Part 1: Hose reels and foam inlets

Part 2: Wet and dry firefighting mains

This Malaysian Standard cancels and replaces MS 1489-2:2012.

This is a full revision of the standard. The principle changes are to update the recommendations for:

- flow tests and pressures;
- riser and dropper mains;
- pumps;
- maintenance;
- shut-off pressures.

It is important for the fire protection system of a building to be considered as a whole. The provision of fire mains is an essential element of the fire protection systems in large and complex buildings due to the difficulties in providing water supplies at the point of use for fire-fighting and search and rescue. It is essential that these systems be carefully maintained to ensure instant readiness when required.

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