

# Fire protection — Fire extinguishing media — Specifications for powders (other than class D powders)

The European Standard EN 615:1994, with the incorporation of amendment A1:2001, has the status of a British Standard

## Committees responsible for this British Standard

The preparation of this British Standard was entrusted to Technical Committee FSM/18, Fixed firefighting systems, upon which the following bodies were represented:

British Automatic Sprinkler Association  
 British Fire Protection Systems Association Ltd.  
 British Fire Services Association  
 British Nuclear Fuels plc  
 Chartered Institution of Building Services Engineers  
 Chemical Industries Association  
 Chief and Assistant Chief Fire Officers' Association  
 Convention of Scottish Local Authorities  
 Department of Health  
 Department of the Environment (Central) (DCSS Fire Branch)  
 Department of the Environment (Building Research Establishment)  
 Department of Transport (Marine Directorate)  
 Electricity Association  
 Fire Brigades Union  
 Fire Extinguishing Trades Association  
 Health and Safety Executive  
 Hevac Association  
 Home Office  
 Incorporated Association of Architects and Surveyors  
 Institute of Petroleum  
 Institution of Fire Engineers  
 Lloyds Syndicates Survey Department  
 London Fire and Civil Defence Authority  
 Loss Prevention Council  
 Ministry of Defence  
 National Association of Fire Officers  
 Royal Institute of British Architects  
 Society of Fire Protection Engineers

This British Standard, having been prepared under the direction of the Health and Environment Sector Board, was published under the authority of the Standards Board and comes into effect on 15 June 1995

© BSI 2006

The following BSI references relate to the work on this standard:  
 Committee reference FSM/18  
 Draft for comment 92/35538 DC

ISBN 0 580 24293 5

### Amendments issued since publication

| Amd. No.                   | Date             | Comments                        |
|----------------------------|------------------|---------------------------------|
| 13041                      | 21 December 2001 | Indicated by a sideline         |
| 16471<br>Corrigendum No. 1 | 30 June 2006     | Modification of Annex B, NOTE 2 |
|                            |                  |                                 |
|                            |                  |                                 |

# Contents

|                        | Page               |
|------------------------|--------------------|
| Committees responsible | Inside front cover |
| National foreword      | ii                 |
| Foreword               | 2                  |
| Text of EN 615         | 4                  |

## National foreword

This British Standard has been prepared by Technical Committee FSM/18 and is the English language version of EN 615:1994, *Fire protection — Fire extinguishing media — Specifications for powders (other than class D powders)*, including amendment A1:2001 and Corrigendum May 2006, published by the European Committee for Standardization (CEN). EN 615 was produced as a result of international discussions in which the United Kingdom took an active part.

BS EN 615 supersedes BS 6535-3:1989, which is withdrawn.

### Cross-references

The British Standards which implement international or European publications referred to in this document may be found in the BSI Standards Catalogue under the section entitled “International Standards Correspondence Index”, or by using the “Find” facility of the BSI Standards Electronic Catalogue.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

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

### Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the EN title page, pages 2 to 12, an inside back cover and a back cover.

The BSI copyright notice displayed in this document indicates when the document was last issued.

Sidelining in this document indicates the most recent changes by amendment.

---

ICS 13.220.30

Descriptors: Fire fighting, fire protection, extinguishing agents, powdery materials, specifications, physical properties, density (mass volume), grain size analysis, chemical properties, chemical composition, fire tests, marking, packing

English version

## Fire protection — Fire extinguishing media — Specifications for powders (other than class D powders)

(includes amendment A1:2001)

Protection contre l'incendie —  
Agent extincteurs —  
Prescriptions pour les poudres (autres que les  
poudres pour classe D)  
(inclut l'amendement A1:2001)

Brandschutz —  
Löschmittel —  
Anforderungen an Löschpulver (nicht für  
Löschpulver der Brandklasse D)  
(enthält Änderung A1:2001)

This European Standard was approved by CEN on 1994-12-05. Amendment A1:2001 was approved by CEN on 2001-05-11. CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

### CEN

European Committee for Standardization  
Comité Européen de Normalisation  
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart 36, B-1050 Brussels

## Foreword

This European Standard has been prepared by Technical Committee CEN/TC 191, Fixed firefighting systems, the secretariat of which is held by BSI.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by June 1995, and conflicting national standards shall be withdrawn at the latest by June 1995.

This European Standard is one of a series giving specifications for fire extinguishing media in common use and which are in need of specification for firefighting purposes. The other standards, published or in preparation, are:

EN 25923, *Fire protection — Fire extinguishing media — Carbon dioxide*.

EN 27201, *Fire protection — Fire extinguishing media — Halogenated hydrocarbons — Part 1: Specifications for halon 1211 and halon 1301 — Part 2: Code of practice for safe handling and transfer procedures*.

prEN 1568, *Fire extinguishing media — Foam concentrates — Part 1: Medium expansion foam — Part 2: High expansion foam — Part 3: Low expansion foam for surface application to water-immiscible liquids — Part 4: Low expansion foam for surface application to water-miscible liquids*.

The specifications are designed to establish that the medium in question has at least a minimum useful fire extinguishing capability and can therefore be reasonably used for fire extinguishing purposes.

Annex A, Annex B, Annex C, Annex D and Annex E are normative.

Annex F, Annex G, Annex H, Annex J and Annex K provide important information on, and give recommendations relating to the use and testing of extinguishing powders and are informative.

According to the CEN/CENELEC Internal Regulations, the following countries are bound to implement this European Standard: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

**Product certification.** Users of this European Standard are advised to consider the desirability of independent certification of product conformity with this European Standard based on testing and continuing surveillance, which may be coupled with assessment of a supplier's quality system against EN 29001, EN 29002, and/or EN 29003 as appropriate.

## Foreword to amendment A1

This amendment EN 615:1994/A1:2001 to EN 615:1994 has been prepared by Technical Committee CEN/TC 191, Fixed firefighting systems, the Secretariat of which is held by BSI.

This amendment to the European Standard EN 615:1994 shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by December 2001, and conflicting national standards shall be withdrawn at the latest by December 2001.

This European Standard is one of a series giving specifications for fire extinguishing media in common use and which are in need of specification for firefighting purposes. The other standards, published or in preparation, are:

EN 25923, *Fire protection — Fire extinguishing media — Carbon dioxide* (ISO 5923:1989).

EN 27201-1, *Fire protection — Fire extinguishing media — Halogenated hydrocarbons — Part 1: Specification for halon 1211 and halon 1301* (ISO 7201-1:1989).

EN 27201-2, *Fire protection — Fire extinguishing media — Halogenated hydrocarbons — Part 2: Code of practice for safe handling and transfer procedures* (ISO 7201-2:1991).

EN 1568-1, *Fire extinguishing media — Foam concentrates — Part 1: Specification for medium expansion foam concentrates for surface application to water-immiscible liquids*.

EN 1568-2, *Fire extinguishing media — Foam concentrates — Part 2: Specification for high expansion foam concentrates for surface application to water-immiscible liquids*

EN 1568-3, *Fire extinguishing media — Foam concentrates — Part 3: Specification for low expansion foam concentrates for surface application to water-immiscible liquids*

EN 1568-4, *Fire extinguishing media — Foam concentrates — Part 4: Specification for low expansion foam concentrates for surface application to water-miscible liquids*

EN 1568-5, *Fire extinguishing media — Foam concentrates — Part 5: Specification for foam liquids for non-aspirated application to water-immiscible liquids*.

EN 1568-6, *Fire extinguishing media — Foam concentrates — Part 6: Specification for foam liquids for non-aspirated application to water-miscible liquids*.