

Irish Standard I.S. EN 3-7:2004+A1:2007

Portable fire extinguishers - Part 7: Characteristics, performance requirements and test methods

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English Version

Portable fire extinguishers - Part 7: Characteristics, performance requirements and test methods

Extincteurs d'incendie portatifs - Partie 7: Caractéristiques, performances et méthodes d'essai

Tragbare Feuerlöscher - Teil 7: Eigenschaften, Leistungsanforderungen und Prüfungen

This European Standard was approved by CEN on 5 March 2003 and includes Amendment 1 approved by CEN on 30 June 2007.

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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 CEN Management Centre has the same status as the official versions.

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EUROPEAN COMMITTEE FOR STANDARDIZATION COMITÉ EUROPÉEN DE NORMALISATION EUROPÄISCHES KOMITEE FÜR NORMUNG

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Foreword

This document (EN 3-7:2004+A1:2007) has been prepared by Technical Committee CEN/TC 70 "Manual means of firefighting equipment", the secretariat of which is held by AFNOR.

This document shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by February 2008 and conflicting national standards shall be withdrawn at the latest by February 2008.

This document includes Amendment 1, approved by CEN on 2007-06-30.

This document supersedes EN 3-7:2004.

The start and finish of text introduced or altered by amendment is indicated in the text by tags [A].

EN 3 consists of the following parts, under the general title "Portable fire extinguishers":

A1) deleted text (A1)

- Part 6¹⁾: Provisions for the attestation of conformity of portable fire extinguishers in accordance with EN 3 part 1 to part 5
- Part 7: Characteristics, performance requirements and test methods
- Part 8: Additional requirements to EN 3-7 for the construction, resistance to pressure and mechanical tests for extinguishers with a maximum allowable pressure equal or lower than 30 bar
- Part 9: Additional requirements to EN 3-7 for pressure resistance of CO₂ extinguishers
- Part 10²): Provisions valuating the conformity of a portable fire extinguisher to EN 3 part 7

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

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¹⁾ EN 3-6 will be superseded by EN 3-10.

²⁾ EN 3-10 will update and amend EN 3-6. EN 3-10 will supersede EN 3-6.

1 Scope

This standard specifies the characteristics, performance requirements and test methods for portable fire extinguishers.

Reference to the suitability of an extinguisher for use on gaseous fires (class C fires) are at the manufacturer's discretion, but are applied only to powder type extinguishers which have gained a class B or class A and class B rating.

Suitability of extinguishers for use on class D fires (fires involving flammable metals) is outside the scope of this standard in respect of test fires. However, extinguishers claiming class D suitability are covered in all other respects by the requirements in this standard for powder extinguishers.

It is considered hazardous for powder and carbon dioxide fire extinguishers to be used on Class F fires. For this reason powder and carbon dioxide fire extinguishers are excluded for conformance with regard to Class F in this European Standard. [4]

NOTE The extinction of a metal fire presents a situation so specific (in terms of the metal itself, its form, the configuration of the fire etc.) that it is not possible to define a representative standard fire for the purposes of testing. The efficiency of extinguishers on class D fires needs to be established on a case by case basis.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

EN 2, Classification of fires

ISO 9227, Corrosion tests in artificial atmospheres — Salt spray tests

ISO 657-1, Hot-rolled steel sections — Part 1: Equal-leg angles — Dimensions

ISO 4470, Sawn timber — Determination of the average moisture content of a lot

Farbregister RAL-841-GL.

3 Terms and definitions

For the purposes of this European Standard, the following terms and definitions apply.

3.1

fire extinguisher

appliance containing an extinguishing medium which can be expelled by the action of internal pressure and be directed on to a fire

NOTE This pressure can be stored pressure or pressure produced by the release of an auxiliary gas from a cartridge.



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