



SLOVENSKI STANDARD
SIST EN 12845:2005/oprA1:2008
01-november-2008

Vgrajene naprave za gašenje - Avtomatski sprinklerski sistemi - Projektiranje, vgradnja in vzdrževanje

Fixed firefighting systems - Automatic sprinkler systems - Design, installation and maintenance

Ortsfeste Brandbekämpfungsanlagen - Automatische Sprinkleranlagen - Planung, Installation und Instandhaltung

Installations fixes de lutte contre l'incendie - Systèmes d'extinction automatiques du type sprinkleur - Calcul, installation et maintenance

<https://standards.iteh.ai/catalog/standards/sist/0b3fddb9-f760-4fb5-b64f-c8bc646dcc10/sist-en-12845-2005-oprA1-2008>

Ta slovenski standard je istoveten z: EN 12845:2004/prA1

ICS:

13.220.20 Ú[0æ} æÁ æz äæ Fire protection

SIST EN 12845:2005/oprA1:2008 en,fr,de

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN 12845:2005/oprA1:2008](https://standards.iteh.ai/catalog/standards/sist/0b3fddb9-f760-4fb5-b64f-c8bc646dcc10/sist-en-12845-2005-opra1-2008)

<https://standards.iteh.ai/catalog/standards/sist/0b3fddb9-f760-4fb5-b64f-c8bc646dcc10/sist-en-12845-2005-opra1-2008>

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

FINAL DRAFT
EN 12845:2004

prA1

August 2008

ICS 13.220.20

English Version

Fixed firefighting systems - Automatic sprinkler systems - Design, installation and maintenance

Installations fixes de lutte contre l'incendie - Systèmes
d'extinction automatiques du type sprinkleur - Calcul,
installation et maintenance

Ortsfeste Brandbekämpfungsanlagen - Automatische
Sprinkleranlagen - Planung, Installation und Instandhaltung

This draft amendment is submitted to CEN members for unique acceptance procedure. It has been drawn up by the Technical Committee CEN/TC 191.

This draft amendment A1, if approved, will modify the European Standard EN 12845:2004. If this draft becomes an amendment, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for inclusion of this amendment into the relevant national standard without any alteration.

This draft amendment was established by CEN 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.

CEN members are the national standards bodies of 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.

Warning : This document is not a European Standard. It is distributed for review and comments. It is subject to change without notice and shall not be referred to as a European Standard.



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

Management Centre: rue de Stassart, 36 B-1050 Brussels

Contents

Page

Foreword.....	3
1 Modification to the Foreword	4
2 Modification to the Introduction.....	4
3 Modification to Clause 1, Scope.....	4
4 Modification to Clause 2, Terms and definitions.....	4
5 Modification to Clause 3, Terms and definitions.....	5
6 Modification to 6.3.2, Storage Configuration	5
7 Modification to 7.2.3.4	5
8 Modification to Clause 9, Type of water supply	5
9 Modification to 10.6.2.1, General.....	6
10 Modification 12.4.6, Beams and joists.....	6
11 Modification to Clause 13, Pipe sizing and layout	7
12 Deletion of Clause 21, Evaluation of conformity.....	12
13 Addition of Annex M, Independent certification body.....	13
14 Deletion of Annex ZA, Clauses of this European Standard addressing the provisions of the EU Construction Products Directive.....	13

<https://standards.iteh.ai/catalog/standards/sist/0b3fddb9-f760-4fb5-b64f-c8bc646dcc10/sist-en-12845-2005-oprA1-2008>

Foreword

This document (EN 12845:2004/prA1:2008) has been prepared by Technical Committee CEN/TC 191 “Fixed firefighting systems”, the secretariat of which is held by BSI.

This document is currently submitted to the Unique Acceptance Procedure.

iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST EN 12845:2005/oprA1:2008](https://standards.iteh.ai/catalog/standards/sist/0b3fddb9-f760-4fb5-b64f-c8bc646dcc10/sist-en-12845-2005-opra1-2008)

<https://standards.iteh.ai/catalog/standards/sist/0b3fddb9-f760-4fb5-b64f-c8bc646dcc10/sist-en-12845-2005-opra1-2008>

EN 12845:2004/prA1:2008 (E)**1 Modification to the Foreword**

Delete the 4th and 5th paragraphs:

"This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EU Directive(s), see informative annex ZA, which is an integral part of this document."

Delete the 9th indent "- water spray systems (EN1)".

2 Modification to the Introduction

Add at the end of the last sentence of the second from last paragraph "(see Annex M)" to read:

"Similarly, competent technicians should be used in the installation and testing of the equipment (see Annex M)."

3 Modification to Clause 1, Scope

Delete the second from last paragraph: "This standard also covers sprinkler kits where a kit comprises all the components necessary to complete the installed sprinkler system."

Add the following paragraph at the end: (standards.iteh.ai)

"Sprinkler system design deviations may be allowed when such deviations have been shown to provide a level of protection at least equivalent to this European Standard, for example by means of full scale fire testing where appropriate, and where the design criteria have been fully documented."

4 Modification to Clause 2, Terms and definitions

Replace "EN 1254" with "EN 1254 (all parts)".

In the 3rd element of the title of prEN 12259-12, replace "Pumps" with "Sprinkler pumps".

Replace "EN 50342, Lead-acid starter batteries — General requirements, methods of test and numbering" with "EN 50342-1, Lead-acid starter batteries — Part 1: General requirements and methods of test" and "EN 50342-2, Lead-acid starter batteries — Part 2: Dimensions of batteries and marking of terminals" and replace "EN 50342" with "EN 50342-1 and EN 50342-2" throughout the text.

In the 3rd element of the title of EN 60947-1, replace "(IEC 60947-1:1999, modified)" with "(IEC 60947-1:2007)".

Replace "ISO 3046 (All parts), Reciprocating internal combustion engines" with "ISO 3046 (all parts), Reciprocating internal combustion engines — Performance".

5 Modification to Clause 3, Terms and definitions

Replace term 3.40 with the following:

"life safety system".

Delete term and definition 3.71 "sprinkler kit" and renumber the following terms and definitions.

6 Modification to 6.3.2, Storage Configuration

In Table 2, replace the text "Single row with 2,4 m aisles" in the second column, third row with the following:

"Aisles between rows shall be not less than 2,4 m wide."

7 Modification to 7.2.3.4

In Table 5, replace "3,5" in the third column, second and third rows twice with "3,4".

8 Modification to Clause 9, Type of water supply

In 9.2.1, replace NOTE 2 with the following:

"NOTE 2 It can be necessary to take into account extra flow required for fire brigade purposes."

In 9.3.2.2, Table 9, amend the second column by replacing "a" to read:

"(see NOTE)".

In Table 9, at the bottom of the Table replace "a" to read:

"NOTE".

In 9.3.4, replace the title of Table 11 to with the following:

"Table 11 — Minimum effective capacity of reduced capacity tanks".

and replace the heading in the second column of Table 11 to with the following:

"Minimum effective capacity".

In the 4th line of 9.3.5 replace "diameter" with "nominal diameter" to read:

"d is the nominal diameter of the suction pipe."

In the 1st sentence of 9.4.4, replace "150 mm" with "150 mm²".

In the last sentence of 9.5.4.2, replace "P₂" with "p₂".

Replace the title of 9.6.2 with the following:

EN 12845:2004/prA1:2008 (E)

"Superior single water supplies".

9 Modification to 10.6.2.1, General

Delete "(see 10.4)" from the last line of the second paragraph.

10 Modification 12.4.6, Beams and joists

Replace the title with the following:

"Beams and similar obstructions".

Delete the word "joist" from the Key to Figure 9 (two times).

Replace the 1st sentence of 12.4.6 with the following:

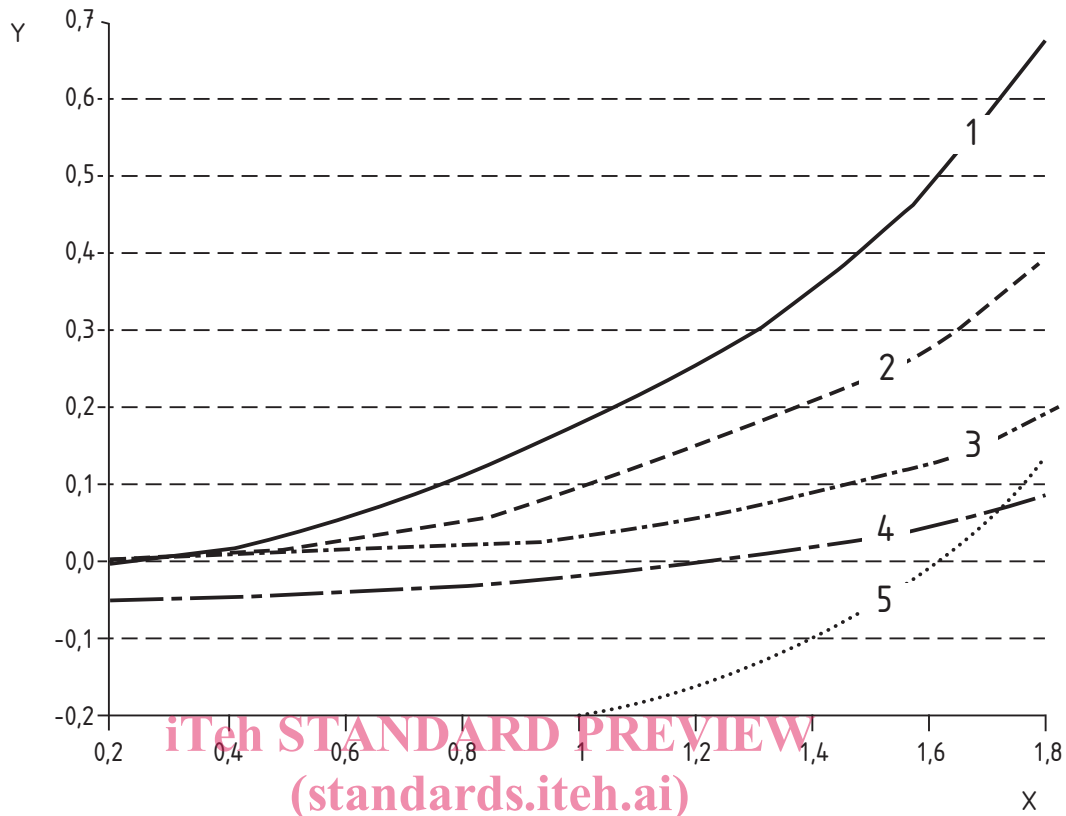
"When the deflector (at D in Figure 9) is positioned above the level of the underside of beams or similar obstructions, one of the following solutions shall be adopted in order to ensure that effective discharge of the sprinklers is not impaired:".

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN 12845:2005/oprA1:2008](https://standards.iteh.ai/catalog/standards/sist/0b3fddb9-f760-4fb5-b64f-c8bc646dcc10/sist-en-12845-2005-opra1-2008)

<https://standards.iteh.ai/catalog/standards/sist/0b3fddb9-f760-4fb5-b64f-c8bc646dcc10/sist-en-12845-2005-opra1-2008>

Replace Figure 10 and its key with the following: "



Key

- 1 spray pendant
 2 conventional upright
 3 spray upright
 4 flat spray
 5 conventional pendant
 X minimum horizontal distance (a) from beam to sprinkler, in m
 Y height of deflector (b) above (+) or below (-) beam, in m".

SIST EN 12845:2005/oprA1:2008

<https://standards.iteh.ai/catalog/standards/sist/0b3fddb9-f760-4fb5-b64f-c8bc646dcc10/sist-en-12845-2005-opra1-2008>

11 Modification to Clause 13, Pipe sizing and layout

Delete the word "equilibrium" from the 1st sentence of 13.2.3.

Replace "the total" with "with the total" in the last line of 13.2.3 to read:

"for the stabilized flow condition at the demand point with the total number of sprinklers assumed to be in simultaneous operation."