



BSI Standards Publication

Pyrotechnic articles — Fireworks, Categories 1, 2, and 3

Part 2: Categories and types of firework

National foreword

This British Standard is the UK implementation of EN 15947-2:2010. It supersedes BS EN 14035-2:2003 which has been declared obsolescent.

NOTE Together with BS EN 14035-1:2003, BS EN 14035-2:2003 superseded BS 7114-1:1988, which has been declared obsolescent. None of these three standards have been withdrawn because under the provisions of The Pyrotechnic Articles (Safety) Regulations 2010 it is lawful to supply fireworks that comply with the previous regulations, The Fireworks (Safety) Regulations 1997, until 3 July 2017. The three parts of BS 7114 are cited in The Fireworks (Safety) Regulations 1997, which also allow the supply of fireworks that conform to a standard that provides at least an equivalent level of safety (which could include parts of the BS EN 14035 series).

The UK participation in its preparation was entrusted to Technical Committee CII/47, Pyrotechnic articles.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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Compliance with a British Standard cannot confer immunity from legal obligations.

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English Version

**Pyrotechnic articles - Fireworks, Categories 1, 2, and 3 - Part 2:
Categories and types of firework**

Articles pyrotechniques - Artifices de divertissement,
Catégories 1, 2, et 3 - Partie 2: Catégories et types
d'artifices de divertissement

Pyrotechnische Gegenstände - Feuerwerkskörper,
Kategorien 1, 2 und 3 - Teil 2: Kategorien und
Feuerwerkstypen

This European Standard was approved by CEN on 21 August 2010.

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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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Foreword

This document (EN 15947-2:2010) has been prepared by Technical Committee CEN/TC 212 “Pyrotechnic articles”, the secretariat of which is held by NEN.

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 March 2011, and conflicting national standards shall be withdrawn at the latest by March 2011.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 14035-2:2003.

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.

This European Standard is one of the series of standards as listed below:

- EN 15947-1, *Pyrotechnic articles — Fireworks, Categories 1, 2 and 3 — Part 1: Terminology*
- EN 15947-2, *Pyrotechnic articles — Fireworks, Categories 1, 2 and 3 — Part 2: Categories and types of firework*
- EN 15947-3, *Pyrotechnic articles — Fireworks, Categories 1, 2 and 3 — Part 3: Minimum labelling requirements*
- EN 15947-4, *Pyrotechnic articles — Fireworks, Categories 1, 2 and 3 — Part 4: Test methods*
- EN 15947-5, *Pyrotechnic articles — Fireworks, Categories 1, 2 and 3 — Part 5: Requirements for construction and performance*

CEN/TC 212 is currently also developing European Standards for:

- Pyrotechnic articles — Fireworks Category 4;
- Pyrotechnic articles — Theatrical pyrotechnic articles;
- Pyrotechnic articles — Pyrotechnic articles for vehicles;
- Pyrotechnic articles — Other pyrotechnic articles.

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, Croatia, 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 the United Kingdom.

1 Scope

This European Standard establishes a system for dividing fireworks into categories and types. It is applicable to fireworks in categories 1, 2 and 3.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 15947-1:2010, *Pyrotechnic articles — Fireworks, Categories 1, 2 and 3 — Part 1: Terminology*

EN 15947-3, *Pyrotechnic articles — Fireworks, Categories 1, 2 and 3 — Part 3: Minimum labelling requirements*

EN 15947-5:2010, *Pyrotechnic articles — Fireworks, Categories 1, 2 and 3 — Part 5: Requirements for construction and performance*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 15947-1:2010 apply.

4 Categories

Fireworks are subdivided into categories as follows:

- **category 1:** fireworks which present a very low hazard and negligible noise level and which are intended for use in confined areas, including fireworks which are intended for use inside domestic buildings;
- **category 2:** fireworks which present a low hazard and low noise level and which are intended for outdoor use in confined areas;
- **category 3:** fireworks which present a medium hazard, which are intended for outdoor use in large open areas and whose noise level is not harmful to human health.

5 Category 1

5.1 List of articles which fall into category 1

The following articles (i.e. types of firework) fall into category 1, when meeting the requirements in EN 15947-3 and EN 15947-5 for category 1:

- Bengal flames;
- Bengal matches;
- Bengal sticks;
- Christmas crackers;