



Institut luxembourgeois de la normalisation
de l'accréditation, de la sécurité et qualité
des produits et services

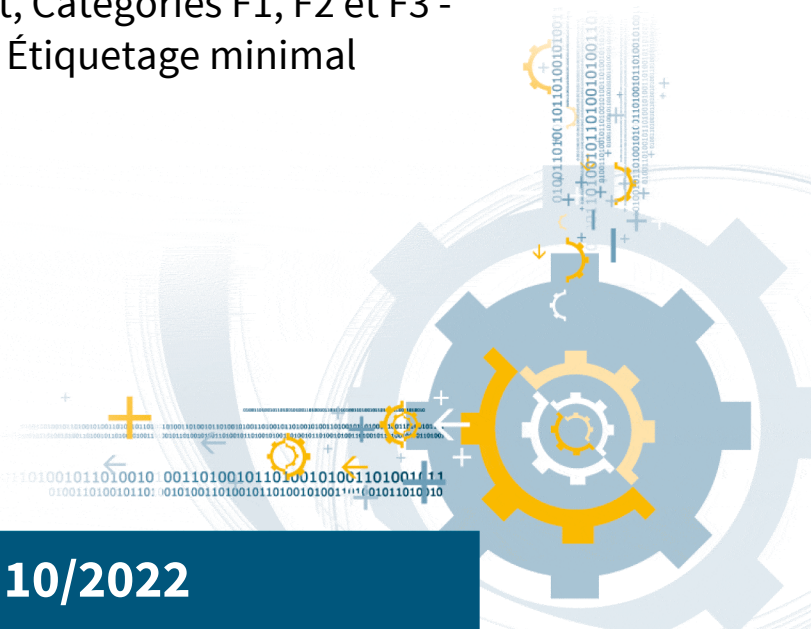
ILNAS-EN 15947-3:2022

**Pyrotechnic articles - Fireworks,
Categories F1, F2 and F3 - Part 3:
Minimum labelling requirements**

Pyrotechnische Gegenstände -
Feuerwerkskörper, Kategorien F1, F2 und
F3 - Teil 3: Mindestanforderungen an die
Kennzeichnung

Articles pyrotechniques - Artifices de
divertissement, Catégories F1, F2 et F3 -
Partie 3 : Étiquetage minimal

10/2022



National Foreword

This European Standard EN 15947-3:2022 was adopted as Luxembourgish Standard ILNAS-EN 15947-3:2022.

Every interested party, which is member of an organization based in Luxembourg, can participate for FREE in the development of Luxembourgish (ILNAS), European (CEN, CENELEC) and International (ISO, IEC) standards:

- Participate in the design of standards
- Foresee future developments
- Participate in technical committee meetings

<https://portail-qualite.public.lu/fr/normes-normalisation/participer-normalisation.html>

THIS PUBLICATION IS COPYRIGHT PROTECTED

Nothing from this publication may be reproduced or utilized in any form or by any mean - electronic, mechanical, photocopying or any other data carries without prior permission!

ILNAS-EN 15947-3:2022

EUROPEAN STANDARD **EN 15947-3**

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2022

ICS 71.100.30

Supersedes EN 15947-3:2015

English Version

**Pyrotechnic articles - Fireworks, Categories F1, F2 and F3 -
Part 3: Minimum labelling requirements**

Articles pyrotechniques - Artifices de divertissement,
Catégories F1, F2 et F3 - Partie 3 : Étiquetage minimal

Pyrotechnische Gegenstände - Feuerwerkskörper,
Kategorien F1, F2 und F3 - Teil 3:
Mindestanforderungen an die Kennzeichnung

This European Standard was approved by CEN on 8 August 2022.

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

CEN members are the national standards bodies of 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, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and United Kingdom.



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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

Contents	Page
European foreword	3
1 Scope.....	5
2 Normative references.....	5
3 Terms and definitions.....	5
4 Minimum labelling requirements.....	5
4.1 General and specific labelling requirements.....	5
4.1.1 General labelling requirements	5
4.1.2 Specific labelling requirements for battery, battery requiring external support, combination and combination requiring external support	6
4.1.3 Specific labelling requirements for compound firework.....	6
4.2 Name and type of firework, category, CE marking.....	6
4.3 Minimum age limits	7
4.4 Year of production.....	7
4.5 Safety information.....	7
4.6 Printing.....	7
4.7 Labelling of very small items.....	7
4.8 Disposal and storage.....	7
Annex A (normative) Safety information	8
Annex ZA (informative) Relationship between this European Standard and the essential safety requirements of Directive 2013/29/EU aimed to be covered.....	38

European foreword

This document (EN 15947-3:2022) 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 April 2023, and conflicting national standards shall be withdrawn at the latest by December 2023.

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

This document supersedes EN 15947-3:2015.

In comparison with the previous edition EN 15947-3:2015, the following technical modifications have been made:

- The following new elements shall be included in the label:
 - On selection packs, the highest age limit for the content inside the packs (4.1.1).
 - On selection packs, the total net explosive content of the items inside the packs (4.1.1).
 - For battery and combination, the sub-elements now are listed (4.1.2).
 - The compound firework is labelled in addition to the primary pack (4.1.3).
- Requirement on labelling of very small items has been revised (4.7). The content of the label is dependent on the size of the items.
- Table 1 has been moved to Table A.1.
- The following modifications have been made to “Safety information” in Table A.1:
 - Safety information for firework types “report rocket”, “Bengal flame (hand-held)” and “senko-hanabi” have been added.
 - Safety information “Do not inhale smoke” has been deleted for all firework types.
 - Safety information for “banger” and “flash banger” has been revised.
 - Safety information for “banger” and “flash banger” with preliminary effect(s) has been revised.
 - Safety information “ENSURE THAT NO PART OF THE BODY IS POSITIONED ABOVE THE FIREWORK OR IN THE EFFECT DIRECTION (if possible)” is now applicable to: battery, battery requiring external support, combination, combination requiring external support, compound firework, mine, Roman candle and shot tube.
 - Minimum safety distances are changed in the “Safety information” so that they are consistent with the Directive 2013/29/EU.
 - Instructions for use have been updated for compound firework with respect to compound firework with more than two fuses.

This document has been prepared under a Standardization Request (M/583) concerning pyrotechnic articles given to CEN by the European Commission and the European Free Trade Association, and supports Essential Safety requirements of Directive 2013/29/EU.

For relationship with Directive 2013/29/EU, see informative Annex ZA, which is an integral part of this document.

This document is one of the series of standards as listed below:

- EN 15947-1, *Pyrotechnic articles — Fireworks, Categories F1, F2 and F3 — Part 1: Terminology*
- EN 15947-2, *Pyrotechnic articles — Fireworks, Categories F1, F2 and F3 — Part 2: Categories and types of firework*
- EN 15947-3, *Pyrotechnic articles — Fireworks, Categories F1, F2 and F3 — Part 3: Minimum labelling requirements*
- EN 15947-4, *Pyrotechnic articles — Fireworks, Categories F1, F2 and F3 — Part 4: Test methods*
- EN 15947-5, *Pyrotechnic articles — Fireworks, Categories F1, F2 and F3 — Part 5: Requirements for construction and performance*

Any feedback and questions on this document should be directed to the users' national standards body. A complete listing of these bodies can be found on the CEN website.

According to the CEN-CENELEC Internal Regulations, the national standards organisations 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, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

1 Scope

This document specifies minimum labelling requirements for fireworks and primary and selection packs of fireworks. It is applicable to fireworks of the categories F1, F2 and F3 as defined by Article 6 Paragraph (1) clause (a) subclause (i) to (iii) of Directive 2013/29/EU.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 15947-1:2022, *Pyrotechnic articles — Fireworks, Categories F1, F2 and F3 — Part 1: Terminology*

EN 15947-2:2022, *Pyrotechnic articles — Fireworks, Categories F1, F2 and F3 — Part 2: Categories and types of firework*

EN 15947-4:2022, *Pyrotechnic articles — Fireworks, Categories F1, F2 and F3 — Part 4: Test methods*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 15947-1:2022 apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <https://www.electropedia.org/>
- ISO Online browsing platform: available at <https://www.iso.org/obp/ui>

4 Minimum labelling requirements

4.1 General and specific labelling requirements

4.1.1 General labelling requirements

If more than one language is used for labelling, for each language, the specified information in Article 10 of the Directive 2013/29/EU and in this document shall be presented as a whole and shall not be interrupted by other text. Additional text shall not conflict with the specified information.

For battery, battery requiring external support, combination, combination requiring external support and compound firework the label shall not be fixed on the top of the effect tubes or the bottom of the firework. This does not apply to a primary pack.

Conformity to these requirements specified in 4.1 to 4.8 shall be verified by visual examination.

NOTE Directive 2013/29/EU requires fireworks shall be labelled with the information given in Article 10 of that Directive. Directive 2014/58/EU requires fireworks shall also be labelled with the registration number prescribed in Article 1 of that Directive.

4.1.1.1 Fireworks

Fireworks shall be labelled in accordance with 4.2 to 4.8 and, if applicable, with the additional information specified in 4.1.2 and 4.1.3.

4.1.1.2 Primary packs

Primary packs shall be labelled in accordance with 4.6 and with the following information:

- the total net explosive content of the fireworks in the pack; and
- the statement: “Must be sold as packaged”.

If the firework does not provide enough space for the required information (see Article 10 (5) of Directive 2013/29/EU) or labelling is not possible on account of the nature of the firework, the firework shall be supplied in a primary pack and the primary pack shall be labelled in accordance with 4.1.1.1.

4.1.1.3 Selection packs

Selection packs shall be labelled with the printing size as specified in 4.6 and with:

- the highest category of the fireworks in the pack, e.g. “CAT F3”;
- the highest age limit for the fireworks in the pack;
- the total net explosive content of all fireworks in the pack; and
- the statement: “Must be sold as packaged”.

4.1.2 Specific labelling requirements for battery, battery requiring external support, combination and combination requiring external support

For battery, battery requiring external support, combination and combination requiring external support equipped with two initial fuses, the reserve fuse shall be clearly labelled with the words “RESERVE FUSE”.

In addition to the type of firework (4.2), the labelling shall include the type of firework for all contained elements; e.g. “Battery (shot tube)”, “Combination (shot tube, mine)” or “Combination of shot tube and fountain”.

4.1.3 Specific labelling requirements for compound firework

The compound firework and the primary pack shall be labelled. The label on the primary pack shall identify all firework types which the compound firework is comprised of. For compound firework with one or more reserve fuses, all reserve fuses shall be clearly labelled with the words “RESERVE FUSE”.

4.2 Name and type of firework, category, CE marking

The name of the firework shall not conflict with the principal effects of the relevant type of firework or with the name of other types of fireworks.

The type of firework shall be labelled, in upper case, in conformity with EN 15947-2:2022, Clause 6. For Roman candle the number of shots shall be labelled, e.g. “8 SHOT ROMAN CANDLE”.

The category shall be labelled, in upper case, e.g. “CATEGORY F2” or “CAT F2”.

NOTE 1 The CE marking is subject to the general principles set out in Article 30 of Regulation (EC) No 765/2008.

NOTE 2 According to Art. 20(3) of Directive 2013/29/EU, CE marking shall be followed by the identification number of the Notified Body responsible for:

- monitoring the existing quality system (in case of Modules D and E), or
- checking conformity to type according to Module C2.