
Pirotehnični izdelki - Ognjemetni izdelki, kategorije F1, F2 in F3 - 3. del: Minimalne zahteve za označevanje

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

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**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 draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 212.

If this draft becomes a European Standard, 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.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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

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European foreword

This document (prEN 15947-3:2018) has been prepared by Technical Committee CEN/TC 212 “Pyrotechnic articles”, the secretariat of which is held by NEN.

This document is currently submitted to the CEN Enquiry.

This document will supersede EN 15947-3:2015.

In comparison with the previous edition, the following technical modifications have been made:

— The following new elements shall be included in the label:

- The name of the firework (4.2).
- The product, batch or serial number of the firework (4.2).
- On selection packs, the highest age limit for the content inside the packs (4.3).
- On selection packs, the total net explosive content of the items inside the packs (4.4).
- The registered trade name or registered trade mark of the manufacturer and, where the manufacturer is not established in the Union (4.7), the registered trade name or registered trade mark of the importer.

— The minimum type size for printing has been revised to 1,8 mm instead of 2,8 mm or 2,1 mm (4.8).

— Requirement on labelling of very small items has been revised (4.9). The content of the label is dependent on the size of the items.

— Following modifications have been made to “Safety information” in Table 1:

- Safety information for firework type “report rockets” has been added.
- Safety information “Do not inhale smoke” has been deleted for all firework types.
- Safety information for “bangers” and “flash bangers” has been revised.
- Safety information for “bangers” and “flash bangers” 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 all batteries, batteries requiring external support, combinations, combinations requiring external support, compound fireworks, mines, Roman candles and shot tubes.

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

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

prEN 15947-3:2018 (E)

This European Standard 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*

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1 Scope

This document specifies minimum labelling requirements for the article and primary or selection packaging of fireworks. It is applicable to fireworks in categories F1, F2 and F3 according to prEN 15947-2:2018.

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.

prEN 15947-1:2018, *Pyrotechnic articles — Fireworks, Categories F1, F2 and F3 — Part 1: Terminology*

prEN 15947-4:2018, *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 prEN 15947-1:2018 apply.

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

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

4 Minimum labelling requirements

4.1 General and specific labelling requirements

4.1.1 General labelling requirements

Fireworks shall be labelled in accordance with 4.8 and 4.9, with the information specified in 4.1.2 and 4.1.3 (if applicable) and 4.2 to 4.7.

Primary packs, if any, shall be labelled with the information specified in 4.1.2 to 4.7 and 4.10 and with the printing size as specified in 4.8.

The specified information shall be given in the official language(s) of the country in which the fireworks or primary packs are made available to the consumer. For each language, it shall be presented as a whole and shall not be interrupted by other text. Additional text given in another language shall not conflict with the specified information.

Conformity to these requirements specified in 4.1 to 4.10 shall be verified by visual examination.

Where labelling is not possible or not warranted on account of the nature of the pyrotechnic article, it shall be affixed to the primary pack.

4.1.2 Specific labelling requirements for batteries, batteries requiring external support, combinations and combinations requiring external support

For batteries, batteries requiring external support, combinations and combinations 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 name, the labelling shall include the type of elements as well; e.g. "Battery (shot tube)", "Combination (shot tube, mine)" or "Combination of shot tube and fountain".

prEN 15947-3:2018 (E)**4.1.3 Specific labelling requirements for compound fireworks**

The compound fireworks shall be labelled on the primary pack according to the requirements of 4.2 to 4.10. The label of the primary pack shall identify all included articles used in the compound fireworks according to 4.2. For compound fireworks with two initial fuses the reserve fuse shall be clearly labelled with the words "RESERVE FUSE".

Fireworks which are assembled in compound fireworks shall not be labelled with the minimum age limits in 4.3 and the safety information in 4.6.

4.2 Name and type of firework, category, CE marking, registration number and product, batch or serial number of the firework

The name of the firework shall be included in the label. The name 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 prEN 15947-2:2018. For Roman candles the number of shots shall be labelled, e.g. "8 SHOT ROMAN CANDLE".

The category shall be labelled, in upper case, as "CATEGORY F2" or "CAT F2", for example.

Selection packs containing one or more categories shall be labelled with the highest category in the pack, e.g. "CAT F3".

The registration number for tracing of products shall be labelled in accordance with the example below:

XXXX – YY – ZZZZ...

where XXXX refers to the four-digit identification number of the notified body issuing the certificate, YY refers to the category of firework in abbreviated format (F1, F2, or F3 for category F1, F2, or F3 respectively), and ZZZZ is a processing number used by the notified body.

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

According to Directive 2013/29/EU Art. 8(2) and 20(3) CE marking is 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.

The product, batch or serial number of the firework shall be included in the label.

4.3 Minimum age limits

The minimum age limits applicable in the country in which the fireworks are made available to the consumer shall be clearly stated on the label. The following minimum age limits apply, if the individual Member State has not raised these age limits according to Directive 2013/29/EU Art. Seven [2].

The following minimum age limits apply:

- Category F1: 12 years;
- Category F2: 16 years;
- Category F3: 18 years.

Selection packs shall be labelled with the highest age limit for the contents inside.

4.4 Net explosive content

The label shall include the net explosive content of the firework.

The total net explosive content of the items in the primary pack and selection packs shall be included on the label.

The abbreviation for the net explosive content (NEC) may be used for the labelling.

4.5 Year of production

For category F3 fireworks the year of production shall be clearly stated on the label by four digits, e.g. "2018".

4.6 Safety information

The labelling shall include at least the safety information specified in Table 1, in a logical sequence, for the relevant type of firework. If necessary, instructions in addition to those specified in Table 1 may be given. The appropriate placing instructions, selected from those specified in Table 1, shall replace

"< placing instructions >"

where indicated.

Safety information shall be emphasized by use of a heading, or bold type, or similar.

4.7 Details of manufacturer or importer

The labelling of the firework shall include the following information about the manufacturer: name, registered trade name or registered trade mark and the postal address at which they can be contacted.

Where the manufacturer is not established in the Union, the labelling shall include the following information about the manufacturer and the importer: name, registered trade name or registered trade mark and the postal address at which they can be contacted.

4.8 Printing

Labelling shall be visible, legible, indelible, clear, understandable and intelligible and on a contrasting background colour. Printing errors which are not misleading are not classified as faults. When measured in accordance with prEN 15947-4:2018, 6.7, the type sizes shall be such that the height of the character "X" (in upper case) is at least 1,8 mm.

4.9 Labelling of very small items

If the firework does not provide enough space for the required information, at least the CE marking according to 4.2, the registration number and the name of the manufacturer or the name of the importer shall be given on the firework.

If the firework is too small to bear all these labelling elements, it shall be labelled with the CE marking according to 4.2.

If the firework is too small for even bearing the CE marking according to 4.2, the firework shall be packed in a primary pack and the primary pack shall be labelled according to 4.1.1.

4.10 Additional information

The primary pack and selection pack shall be labelled with the statement: "Must be sold as packaged". This statement shall appear adjacent to the type name or category. For printing 4.8 applies.

Table 1 — Safety information

Fireworks type	Category F	Minimum labelling requirements	Placing instructions
aerial wheels	3	'For outdoor use only' 'Avoid overhead obstructions' 'Place singly on launching device provided the correct way up' 'Remove fuse cover' (if applicable) 'Standing sideways, light fuse at its outermost end and retire immediately at least 15 m' 'Spectators must be at least 25 m away'	
bangers	2	'For outdoor use only' This article has preliminary effect(s) of [description of the effect(s)] prior to report' (if applicable) 'Remove fuse cover' (if applicable) 'Place singly on ground and light fuse at its outermost end and retire immediately at least 8 m', or 'Standing sideways, place singly on the ground, light ignition head and retire immediately at least 8 m' or 'Ignite on the striking surface, place banger on the ground and retire immediately at least 8 m' (whichever is appropriate)	
bangers	3	'For outdoor use only' This article has preliminary effect(s) of [description of the effect(s)] prior to report' (if applicable) 'Remove fuse cover' (if applicable) 'Place singly on ground and light fuse at its outermost end and retire immediately at least 15 m' or 'Standing sideways, place singly on the ground, light ignition head and retire immediately at least 15 m' or 'Ignite on the striking surface, place banger on the ground and retire immediately at least 15 m' (whichever is appropriate) 'Spectators must be at least 25 m away'	

Fireworks type	Category F	Minimum labelling requirements	Placing instructions
batteries (with one fuse)	2	<p>'For outdoor use only'</p> <p>'Avoid overhead obstructions' (if applicable)</p> <p><i>For batteries where the tubes are placed at an angle:</i></p> <p>'Do not fire near tall buildings, trees or similar'</p> <p>'Remove fuse cover' (if applicable)</p> <p>'Place battery on flat ground'</p> <p>'ENSURE THAT NO PART OF THE BODY IS POSITIONED ABOVE THE FIREWORK OR IN THE EFFECT DIRECTION (if possible), standing sideways, light fuse at its outermost end and retire immediately at least 8 m'</p> <p>An arrow indicating firing direction shall be part of the label (if applicable).</p>	
batteries (with one fuse)	3	<p>'For outdoor use only'</p> <p>'Avoid overhead obstructions' (if applicable)</p> <p>'Do not fire near tall buildings, trees or similar' (if applicable)</p> <p>'Remove fuse cover' (if applicable)</p> <p>'Place battery on flat ground'</p> <p>'ENSURE THAT NO PART OF THE BODY IS POSITIONED ABOVE THE FIREWORK OR IN THE EFFECT DIRECTION (if possible), standing sideways, light fuse at its outermost end and retire immediately at least 15 m'</p> <p>'Spectators must be at least 25 m away'</p> <p>An arrow indicating firing direction shall be part of the label (if applicable).</p>	

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Fireworks type	Category F	Minimum labelling requirements	Placing instructions
batteries (with two fuses)	2	<p>'This firework contains two fuses'</p> <p>'For outdoor use only'</p> <p>'Avoid overhead obstructions' (if applicable)</p> <p><i>For batteries where the tubes are placed at an angle:</i></p> <p>'Do not fire near tall buildings, trees or similar'</p> <p>'Identify first fuse and remove fuse cover' (if applicable)</p> <p>'Place battery on flat ground'</p> <p>'ENSURE THAT NO PART OF THE BODY IS POSITIONED ABOVE THE FIREWORK OR IN THE EFFECT DIRECTION (if possible), standing sideways, light fuse at its outermost end and retire immediately at least 8 m'</p> <p>'In the event that the firework fails to function completely, wait 15 min before returning to the firework and then locate the reserve fuse and repeat the lighting procedure above'</p> <p>An arrow indicating firing direction shall be part of the label (if applicable).</p>	
batteries (with two fuses)	3	<p>'This firework contains two fuses'</p> <p>'For outdoor use only'</p> <p>'Avoid overhead obstructions' (if applicable)</p> <p>'Do not fire near tall buildings, trees or similar' (if applicable)</p> <p>'Identify first fuse and remove fuse cover' (if applicable)</p> <p>'Place battery on flat ground'</p> <p>'ENSURE THAT NO PART OF THE BODY IS POSITIONED ABOVE THE FIREWORK OR IN THE EFFECT DIRECTION (if possible), standing sideways, light fuse at its outermost end and retire immediately at least 15 m'</p> <p>'In the event that the firework fails to function completely, wait 15 min before returning to the firework and then locate the reserve fuse and repeat the lighting procedure above'</p> <p>'Spectators must be at least 25 m away'</p> <p>An arrow indicating firing direction shall be part of the label (if applicable).</p>	