

BS EN 16256-2:2012



BSI Standards Publication

Pyrotechnic articles — Theatrical pyrotechnic articles

Part 2: Categories of theatrical
pyrotechnic articles

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National foreword

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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.

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English Version

**Pyrotechnic articles - Theatrical pyrotechnic articles - Part 2:
Categories of theatrical pyrotechnic articles**

Articles pyrotechniques - Articles pyrotechniques destinés
au théâtre - Partie 2: Catégories d'articles pyrotechniques
pour le théâtre

Pyrotechnische Gegenstände - Pyrotechnische
Gegenstände für Bühne und Theater - Teil 2: Kategorien
von pyrotechnischen Gegenständen für Bühne und Theater

This European Standard was approved by CEN on 4 August 2012.

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Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents

Page

Foreword.....	3
1 Scope	4
2 Normative references	4
3 Terms and definitions	4
4 Categories	4
Annex A (informative) Overview of essential safety requirements and corresponding clauses of all parts of this European Standard	7
Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of EU Directive 2007/23/EC on the placing on the market of pyrotechnic articles	8

Foreword

This document (EN 16256-2:2012) 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of an identical text or by endorsement, at the latest by March 2013, and conflicting national standards shall be withdrawn at the latest by March 2013.

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 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 16256-1, *Pyrotechnic articles — Theatrical pyrotechnic articles — Part 1: Terminology*
- EN 16256-2, *Pyrotechnic articles — Theatrical pyrotechnic articles — Part 2: Categories of theatrical pyrotechnic articles*
- EN 16256-3, *Pyrotechnic articles — Theatrical pyrotechnic articles — Part 3: Requirements for construction and performance*
- EN 16256-4, *Pyrotechnic articles — Theatrical pyrotechnic articles — Part 4: Minimum labelling requirements and instructions for use*
- EN 16256-5, *Pyrotechnic articles — Theatrical pyrotechnic articles — Part 5: Test methods*

CEN/TC 212 has also developed European Standards for:

- Pyrotechnic articles — Fireworks Categories 1, 2 and 3
- Pyrotechnic articles — Fireworks, Category 4
- 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, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

1 Scope

This European Standard defines the procedures for placing generic types, subtypes or individual items of theatrical pyrotechnic articles into the appropriate Categories, T1 or T2 and lists them.

NOTE “Theatrical pyrotechnic article(s)” is abbreviated by “article(s)” in this European Standard.

2 Normative references

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

EN 16256-1, *Pyrotechnic articles — Theatrical pyrotechnic articles — Part 1: Terminology*

EN 16256-3, *Pyrotechnic articles — Theatrical pyrotechnic articles — Part 3: Requirements for construction and performance*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 16256-1 apply.

4 Categories

4.1 General

Articles are categorised into two categories as follows:

Category T1: Articles for stage use which present a low hazard and which are intended for indoor and outdoor use.

NOTE 1 Some T1 articles are restricted for outdoor use only and denoted as T1 ‘for outdoor use only’.

Category T2: Articles for stage use which are intended for use only by persons with specialist knowledge.

NOTE 2 The term ‘stage use’ includes film and television productions or similar use.

4.2 Category T1

According to their Generic Type, not all types are permissible in all categories.

The types permitted for T1 or T1 'for outdoor use only' can be found in Table 1.

Table 1 — Generic Types of Articles Permitted in Category T1

Generic Type	T1	T1 'for outdoor use only'
Airburst	Yes	Yes
Bengal flame	Yes	Yes
Bengal flare	Yes	Yes
Bengal stick	Yes	Yes
Binary mixture	—	—
Carretilla	—	Yes
Combination	Yes	Yes
Comet	Yes	Yes
Desensitized pyrotechnic composition	Yes	Yes
Dropping effect	Yes	Yes
Explosion simulator	—	Yes
Fireball	Yes	Yes
Flame projector	Yes	Yes
Fountain	Yes	Yes
Jet	Yes	Yes
Line rocket	Yes	Yes
Mine	Yes	Yes
Projection device	Yes	Yes
Roman candle	—	Yes
Rotating effect	Yes	Yes
Self consuming article	—	—
Smoke device	Yes	Yes
Split tube	Yes	Yes
Squib	—	—
Maroon	Yes	Yes
Theatrical fire	Yes	Yes
Theatrical flash	Yes	Yes
Theatrical report	Yes	Yes
Whistle	Yes	Yes
— not permitted		

If an article does not fulfil the categorisation criteria for T1 (applicable to its generic type based on the requirements for construction and performance contained in EN 16256-3), it shall be categorised as T1 'for outdoor use only' if it fulfils that categorisation criteria. Otherwise it shall be categorised as T2.

The categorisation of the article as T1, T1 'for outdoor use only' or T2 is based on the requirements for construction and performance specified in EN 16256-3. A manufacturer or importer may decide to categorise an article as T1 'for outdoor use only' or T2 even though it meets the requirements for construction and performance specified in EN 16256-3, for a lower hazard category.

4.3 Category T2

All articles default to category T2, if they do not fulfil the requirements for construction and performance specified in EN 16256-3 regarding the categories T1 or T1 'for outdoor use only'.

Even though an article may fulfil the requirements for construction and performance specified in EN 16256-3 regarding the categories T1 or T1 'for outdoor use only' a manufacturer may choose to categorise the article to be category T2.

NOTE A person with specialist knowledge can handle and/or use articles labelled T1 or T1 'for outdoor use only' in a different manner to that prescribed on the label or within the instructions for use, provided that they have taken due consideration of the hazards and risks that any deviations they make might have. A person with specialist knowledge is expected to have the knowledge to make use of T1 products in a different manner to those prescribed on the label or the instructions.

Annex A (informative)

Overview of essential safety requirements and corresponding clauses of all parts of this European Standard

The correspondence between the parts of this European Standard and Directive 2007/23/EC on the placing on the market of pyrotechnic articles can be found in Annex ZA of each part of the standard.

Table A.1 gives an overview about all essential safety requirements and the corresponding clauses and subclauses of all parts of the European Standard.

Table A.1 — Overview of essential safety requirements and corresponding clauses of all parts this European Standard

Essential Requirements (ESR) of Directive 2007/23/EC	Clause(s)/sub-clause(s) of			Qualifying remarks/Notes
	EN 16256-3:2012	EN 16256-4:2012	EN 16256-5:2012	
1	7			
2	1,4	4.10	6.9	
3; 1 st sentence	7, 9, 10		6.15	
3; 2 nd and 3 rd sentence	9, 10		4	
3 (a)	4, 5, 9.1, 10		6.1, 6.2	
3 (b)	7, 9, 10		6.12, 6.13	
3 (c)	7.1, 9.2 10		6.12, 6.13	
3 (d)	7, 9.2, 10		6.13, 6.15	
3 (e)				Not applicable.
3 (f)	9.2, 10		6.13	
3 (g)	6, 9.2, 10	4.10	6.14	
3 (h)	8, 9.2, 10.4	4, 5, 6		
3 (i)	7.1, 9.2, 9.3, 10		6.12, 6.13	
3 (j)		4, 5, 6		
3; last sentence	7.1, 9.2, 10		6.12	
4 (a)	1			
4 (b)	1			

Annex ZA (informative)

Relationship between this European Standard and the Essential Requirements of EU Directive 2007/23/EC on the placing on the market of pyrotechnic articles

This European Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association to provide a means of conforming to Essential Requirements of the New Approach Directive 2007/23/EC on the placing on the market of pyrotechnic articles. The Parts 1, 2, 3 and 4 of the Standard will support Part 5 to fulfil the Essential Requirements of the Directive 2007/23/EC Annex 1.

Once this standard is cited in the Official Journal of the European Union under that Directive and has been implemented as a national standard in at least one Member State, compliance with the normative clauses of this standard confers, within the limits of the scope of this standard, a presumption of conformity with the relevant Essential Requirements of that Directive and associated EFTA regulations.

WARNING — Other requirements and other EU Directives may be applicable to the product(s) falling within the scope of this standard.

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BSI Group Headquarters

389 Chiswick High Road London W4 4AL UK

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