

Outdoor candles - Specification for fire safety

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

See Eesti standard EVS-EN 17616:2021 sisaldab Euroopa standardi EN 17616:2021 ingliskeelset teksti.	This Estonian standard EVS-EN 17616:2021 consists of the English text of the European standard EN 17616:2021.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation and Accreditation.
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English Version

## Outdoor candles - Specification for fire safety

Bougies d'extérieur - Spécifications relatives à la  
sécurité incendie

Kerzen für den Außenbereich - Spezifikation für die  
Feuersicherheit

This European Standard was approved by CEN on 23 August 2021.

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COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

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## European foreword

This document (EN 17616:2021) has been prepared by Technical Committee CEN/TC 369 “Candle fire safety”, the secretariat of which is held by DIN.

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of an identical text or by endorsement, at the latest by June 2022, and conflicting national standards shall be withdrawn at the latest by June 2022.

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.

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## **Introduction**

Candles have accompanied mankind for more than 2 000 years serving above all as a light source. Closely connected to the development history of the candle are the efforts made to improve its quality and its safety in use. Fires caused by unsafe candles and/or inappropriate use during the burning of candles have led to consumer concern for these issues.

This document helps to ensure a reasonable degree of safety during use, thereby improving personal safety and reducing the risk of fires, deaths and injuries.

## 1 Scope

This document specifies requirements and test methods for the fire safety of candles intended to be burned outdoors.

Sticks wrapped with fuel-soaked materials, such as paper, cardboard or fabric, oil lamps on a stick and products intended to be used professionally to protect vineyards or fruit orchards from frost damages are not covered by this document.

## 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 17617:2021, *Outdoor candles — Product safety labels*

## 3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

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

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

### 3.1

#### **burning period**

time the candle burns from being lit initially until it is extinguished

[SOURCE: EN 15493:2019, 3.3]

### 3.2

#### **burn test cycle**

total time of a burning period and pause

[SOURCE: EN 15493:2019, 3.4]

### 3.3

#### **candle**

one or more combustible wicks supported by a material that constitutes a fuel, which is solid or semisolid at room temperature (20 °C to 27 °C) with the main function of sustaining a light-producing flame, including any coatings on and articles or substances in the fuel

[SOURCE: EN 15426:2018, 3.2]