



**NSAI**  
Standards

Irish Standard  
I.S. EN 17088:2021

## Side curtain ventilation systems - Safety

**I.S. EN 17088:2021**

*Incorporating amendments/corrigenda/National Annexes issued since publication:*

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## National Foreword

I.S. EN 17088:2021 is the adopted Irish version of the European Document EN 17088:2021, Side curtain ventilation systems - Safety

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EUROPEAN STANDARD

EN 17088

NORME EUROPÉENNE

EUROPÄISCHE NORM

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English Version

## Side curtain ventilation systems - Safety

Systèmes de ventilation à rideau latéral - Sécurité

Lüftungssysteme mit Seitenvorhang - Sicherheit

This European Standard was approved by CEN on 30 May 2021.

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## **EN 17088:2021 (E)**

### **European foreword**

This document (EN 17088:2021) has been prepared by Technical Committee CEN/TC 422 “Side curtains ventilation systems - safety”, 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of an identical text or by endorsement, at the latest by January 2022, and conflicting national standards shall be withdrawn at the latest by January 2022.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.

This document has been prepared under a standardization request given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive 2006/42/EC.

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

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, Turkey and the United Kingdom.



## Introduction

In 2010, there was a fatal accident when a child of a farmer was trapped by an automatic stable display. This accident happened both in the Netherlands and Belgium.

This accident triggered some Dutch experts to use the existing Dutch Technical Agreement NTA 8344:2012 “Side curtains – Safety” for the development of the first European Standard “Side systems curtains ventilation systems – Safety”.

This standard is a type-C standard as specified in EN ISO 12100:2010.

The machinery concerned and the extent to which hazards are covered are indicated in the scope of this standard. These hazards are specified to the Side curtains ventilation systems.

Where provisions of this type C are different from those which are stated by type A or B standards, the provisions of this type C standard take precedence over the provisions of the other standards, for machines that have been designed and built according to the provisions of this type C standard.

In order to make the objective of this concept clear and eliminate uncertainties when reading it, the following assumptions are made:

- a) components without specific requirements are components
  - 1) designed according to the common design and calculation methods, including all failure mechanisms;
  - 2) of a solid mechanical and electrical construction;
  - 3) manufactured from sufficiently strong material with a suitable quality;
  - 4) of which general electrical hazards are dealt with by application of the standards for electrical installations, such as EN 60204-1:2018;
- b) with the exception of the following provisions, is a mechanical supply built according to the requirements of good craftsmanship and the requirements in this standard concept:
  - 1) agreements between the manufacturer and the buyer about the special conditions of use, and place where the screen is used in connection with health and safety;
  - 2) the location of the installation will be suitable for this;
  - 3) the place of installation will allow a safe use of the screen.

These assumptions do not limit the need for sufficient information in this concept standard before use.

## EN 17088:2021 (E)

### 1 Scope

#### 1.1 General

This document specifies the standardization of side curtain ventilation systems as defined in 3.1. This document specifies the safety aspects and performance. Included are machines that operate using the potential energy stored by the earlier application of human or animal force, such as stretched springs.

This document addresses the following significant hazards associated with side curtain systems:

- crushing;
- cutting or severing;
- drawing-in or trapping;
- entanglement;
- shearing;
- suffocation;
- electrocution and shock;
- incorrect design, location or identification of control devices.

#### 1.2 Exclusions

This document does not apply to the following, which are intended for a different use:

- doors and side curtains when used as doors which are specified in EN 13241:2003+A2:2016;
- systems inflated by air;
- screens supplied for the control of fire or smoke;
- screens that move instantaneously upon the application of human force;
- side curtains when used to control ventilation conditions in a toxic or explosive environment.

This document is not applicable to side curtain ventilation systems manufactured before the date of its publication.

### 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 1991-1-4:2005<sup>1)</sup>, *Eurocode 1: Actions on structures - Part 1-4: General actions - Wind actions*

EN 14717:2005, *Welding and allied processes - Environmental check list*

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1) As impacted by EN 1991-1-4:2005/A1:2010.

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