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Scenetekniske faciliteter – Specifikationer for design og fremstilling af modulopbyggede scenegulv i aluminium

Entertainment technology – Specifications for design and
manufacture of aluminium stage decks and frames

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EUROPÄISCHE NORM

November 2022

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English Version

Entertainment technology - Specifications for design and manufacture of aluminium stage decks and frames

Technologies du spectacle - Spécifications
pour la conception et la fabrication de
praticables de scène en aluminium

Veranstaltungstechnik - Anforderungen
an die Bemessung und Herstellung von
Podesten und Zargen aus Aluminium

This European Standard was approved by CEN on 12 September 2022.

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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.

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

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European foreword

This document ([EN 17736:2022](#)) has been prepared by Technical Committee CEN/TC 433 "Entertainment Technology - Machinery, equipment and installations", 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of an identical text or by endorsement, at the latest by May 2023, and conflicting national standards shall be withdrawn at the latest by May 2023.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.

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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.

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Introduction

The object of this document is to achieve a minimum level of quality in the design and manufacture of aluminium stage decks and frames in the entertainment industry.

Entertainment technology is an interdisciplinary field with specific technology and unique safety requirements. Entertainment technology is used in places of assembly, staging and production areas for events and theatrical productions. Such locations include but are not limited to theatres, multi-purpose halls, exhibition halls, film-, television-, photography- and radio-studios as well as facilities in concert halls, museums, schools, bars, discotheques, open-air stages and other places for shows and events. In some cases, atypical non-performance places are also used.

This document has been developed based on the previous requirements of [DIN 15921:2015-09](#).

This document has been drawn up according to past experience and risk analysis.

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Entertainment technology – Specifications for design and manufacture of aluminium stage decks and frames

1 Scope

This document specifies the requirements for the design and manufacture of aluminium decks and frames used in the entertainment industry.

This document does not apply to scaffolding used as substructures in stage and studio environments in accordance with the [EN 12810 series](#) and the [EN 12811 series](#) or fairground rides in accordance with [EN 13814-1](#).

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 1090 \(all parts\)](#), *Execution of steel structures and aluminium structures*

[EN 1990](#), *Eurocode – Basis of structural design*

[EN 1991 \(all parts\)](#), *Eurocode 1: Actions on structures*

[EN 1993 \(all parts\)](#), *Eurocode 3: Design of steel structures*

[EN 1995 \(all parts\)](#), *Eurocode 5: Design of timber structures*

[EN 1999 \(all parts\)](#), *Eurocode 9 – Design of aluminium structures*

[EN 10204](#), *Metallic products – Types of inspection documents*

[EN 17115](#), *Entertainment technology – Specifications for design and manufacture of aluminium and steel trusses*

[EN 17206](#), *Entertainment technology – Machinery for stages and other production areas – Safety requirements and inspections*

[EN ISO 3834 \(all parts\)](#), *Quality requirements for fusion welding of metallic materials (ISO 3834 (all parts))*

[EN ISO 9606-1](#), *Qualification testing of welders – Fusion welding – Part 1: Steels (ISO 9606-1)*

[EN ISO 9606-2](#), *Qualification test of welders – Fusion welding – Part 2: Aluminium and aluminium alloys (ISO 9606-2)*

[EN IEC/IEEE 82079-1](#), *Preparation of information for use (instructions for use) of products – Part 1: Principles and general requirements*