



NSAI
Standards

Irish Standard
I.S. EN 12609:2021

Truck mixers - Safety requirements

I.S. EN 12609:2021

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National Foreword

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EUROPEAN STANDARD

EN 12609

NORME EUROPÉENNE

EUROPÄISCHE NORM

January 2021

ICS 91.220

English Version

Truck mixers - Safety requirements

Bétonnières portées - Prescriptions de sécurité

Fahrmischer - Sicherheitsanforderungen

This European Standard was approved by CEN on 13 January 2020.

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. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

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European foreword

This document (EN 12609:2021) has been prepared by Technical Committee CEN/TC 151 “Construction equipment and building material machines - 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of an identical text or by endorsement, at the latest by July 2021, and conflicting national standards shall be withdrawn at the latest by July 2021.

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(s).

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

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.

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Introduction

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

This document is of relevance, in particular, for the following stakeholder groups representing the market players with regard to machinery safety:

- a) machine manufacturers (small, medium and large enterprises);
- b) health and safety bodies (regulators, accident prevention organizations, market surveillance, etc.).

Others can be affected by the level of machinery safety achieved with the means of the document by the above-mentioned stakeholder groups:

- a) machine users/employers (small, medium and large enterprises);
- b) machine users/employees (e.g. trade unions, organizations for people with special needs);
- c) service providers, e.g. for maintenance (small, medium and large enterprises);
- d) consumers (in case of machinery intended for use by consumers).

The above-mentioned stakeholder groups have been given the possibility to participate at the drafting process of this document.

The machinery concerned and the extent to which hazards, hazardous situations or hazardous events are covered are indicated in the scope of this document.

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

1 Scope

1.1 This document specifies the safety requirements for truck mixers.

This document also covers the interface between the mixing unit and the truck or trailer (but not the truck or trailer itself).

NOTE 1 Truck or trailer constructed primarily for the carriage of goods as classified according to directive 2007/46/EC, category N3 or O4.

This document does not cover:

- a) additional equipment (conveyor belt, mortar pump, concrete pump, concrete-placing boom);
- b) requirements for operation in tunnels;
- c) truck or self-propelled mixers equipped with self-loading systems;
- d) front-discharge mixers;
- e) mixing units with articulated steering;
- f) truck mixer drum cleaning systems;
- g) energy source(s).

This document does not deal with carrier vehicles, e.g. trucks, tractors, construction machinery and mobile industrial handling equipment or other self-propelled vehicles.

This document does not include requirements which are covered in directives related to the construction of vehicles or national road regulations.

NOTE 2 The use in public road traffic is governed by the national regulations.

1.2 This document deals with all significant hazards, hazardous situations and events relevant to truck mixers when they are used as intended and under the conditions of misuse which are reasonably foreseeable by the manufacturer (see Annex D). This document specifies the appropriate technical measures to eliminate or reduce risks arising from the significant hazards during transportation, assembly, dismantling, disabling, scrapping, operation and maintenance of the truck mixer.

1.3 This document is not applicable to machines which are manufactured before the date of publication of this document by CEN.

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 60204-1:2006, *Safety of machinery — Electrical equipment of machines — Part 1: General requirements (IEC 60204-1:2005)*

EN 61000-6-2:2005, *Electromagnetic compatibility (EMC) — Part 6-2: Generic standards — Immunity standard for industrial environments (IEC 61000-6-2:2005)*

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