

**Tee-ehitusmasinad.  
Asfaldisegamismasinad. Ohutusnõuded**

Road construction machines - Asphalt mixing plants  
- Safety requirements

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 536:1999 sisaldab Euroopa standardi EN 536:1999 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 23.11.1999 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 536:1999 consists of the English text of the European standard EN 536:1999.</p> <p>This document is endorsed on 23.11.1999 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p><b>Käsitlusala:</b> This European standard specifies the safety requirements applicable to stationary and transportable plant for the production of asphalt mixing materials used for the construction and maintenance of traffic routes (roads, highways, airfields, etc.) water retaining works, dam walls, culverts, etc.</p>	<p><b>Scope:</b> This European standard specifies the safety requirements applicable to stationary and transportable plant for the production of asphalt mixing materials used for the construction and maintenance of traffic routes (roads, highways, airfields, etc.) water retaining works, dam walls, culverts, etc.</p>
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**English version**

Road construction machines  
**Asphalt mixing plants**  
Safety requirements

Machines pour la construction des routes – Centrales de production de mélanges bitumineux – Exigences de sécurité

Straßenbaumaschinen – Asphaltmischanlagen – Sicherheitsanforderungen

This European Standard was approved by CEN on 1999-03-22.

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 Central Secretariat or to any CEN member.

The European Standards exist 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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

**CEN**

European Committee for Standardization  
Comité Européen de Normalisation  
Europäisches Komitee für Normung

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## Foreword

This European Standard 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 October 1999, and conflicting national standards shall be withdrawn at the latest by October 1999.

This European Standard 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 standard.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom  
The annex A is normative and contains „Skip system for loading of storage hoppers“,  
the annex B is normative and contains „Access openings“,  
the annex C is normative and contains „Access“,  
the annex D is informative and contains „Examples for asphalt mixing plants and terminology“,  
the annex E is informative and contains „Bibliography“.

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## 0 Introduction

This European Standard is a type-C standard as stated in EN 292-1:1991.

The machinery concerned and the extent to which hazards are covered are indicated in the scope of this standard.

It is intended to revise EN 536:199X at an early date to take account of subsequent standards and legislation.

## 1 Scope

**1.1** This European Standard specifies the safety requirements applicable to stationary and transportable plant for the production of asphalt mixing materials used for the construction and maintenance of traffic routes (roads, highways, airfields, etc.) water retaining works, dam walls, culverts, etc.

- Stationary plant is in a fixed position when in production.
- Transportable plant is capable of being transported generally by road from one production site to another but likewise being fixed in position when in production.

This safety standard applies to the following plant:

- a) Asphalt mixing plant;
- b) Mixing plant for cold materials;
- c) Processing plant for bituminous recycling materials;
- d) Plant for processing of natural asphalt;
- e) Manufacturing plant for mastic asphalt;
- f) Plant for storage of bituminous binders.

**1.2** This European Standard deals with all significant hazards pertinent to asphalt mixing plants, when they are used as intended and under the conditions foreseen by the manufacturer (see clause 4). This European Standard specifies the appropriate technical measures to eliminate or reduce risks arising from the significant hazards.

**1.3** This European Standard does not apply to machines for the production of concrete.

**1.4** This European Standard does not deal with hazards caused by flammable gases. As soon as information is available it will be included.

**1.5** This European Standard does not deal with hazards caused by mechanical and pneumatic handling equipment, such as beltfeeders, screw feeders, apron feeders, rotary valves, belt conveyors, screw conveyors, pneumatic conveyors, compressors and pumps.

NOTE: As soon as applicable European Standards are available, it will be checked if reference could be made to them.

**1.6** This European Standard does not apply to machines which move during the production process.

**1.7** This European Standard applies primarily to machines which are manufactured after the date of approval of the standard by CEN.

## 2 Normative references

This European Standard incorporates by dated or undated references provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

- EN 292-1:1991 Safety of machinery - Basic concepts, general principles for design - Part 1: Basic terminology, methodology
- EN 292-2:1991 Safety of machinery - Basic concepts, general principles for design - Part 2: Technical principles and specifications
- EN 292-2:1991/A1:1995 Safety of machinery - Basic concepts, general principles for design - Part 2: Technical principles and specifications
- EN 294:1992 Safety of machinery - Safety distances to prevent danger zones being reached by the upper limbs
- EN 418:1992 Safety of machinery - Emergency stop equipment, functional aspects - Principles for design
- EN 547-1:1996 Safety of machinery - Human body measurements - Part 1: Principles for determining the dimensions required for openings for whole body access into machinery
- EN 547-2:1996 Safety of machinery - Human body measurements - Part 2: Principles for determining the dimensions required for access openings
- EN 563:1994 Safety of machinery - Temperatures of touchable surfaces - Ergonomics data to establish temperature limit values for hot surfaces
- EN 746-1:1997 Industrial thermoprocessing equipment - Part 1: Common safety requirements for industrial thermoprocessing equipment
- EN 1037:1995 Safety of machinery - Prevention of unexpected start-up
- EN 1070:1998 Safety of machinery - Terminology
- EN 1088:1995 Safety of machinery - Interlocking devices associated with guards - Principles for design and selection
- EN 60204-1:1997 Safety of machinery - Electrical equipment of machines - Part 1: General requirements (IEC 60204-1:1997)
- EN 60529:1991 Degrees of protection provided by enclosures (IP-Code) (IEC 60529:1989)

## 3 Definitions - Terminology - Symbols and abbreviations

For the purposes of this European Standard the definitions stated in EN 1070:1998 apply. Additional definitions specially needed for this European Standard are added below: