Mobile road construction machinery - Safety - Part 6: Specific requirements for paver-finishers

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EESTI STANDARDI EESSÕNA **NATIONAL FOREWORD**

Käesolev Eesti standard EVS-EN 500-6:2006 sisaldab Euroopa standardi EN 500-6:2006 ingliskeelset teksti. Käesolev dokument on jõustatud 24.11.2006 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes. Standard on kättesaadav Eesti standardiorganisatsioonist.	This Estonian standard EVS-EN 500-6:2006 consists of the English text of the European standard EN 500-6:2006. This document is endorsed on 24.11.2006 with the notification being published in the official publication of the Estonian national standardisation organisation. The standard is available from Estonian standardisation organisation.

Käsitlusala: This part of EN 500 specifies the safety requirements for paver-finishers as defined in Clause 3 and deals with the significant hazards relevant to these machines, when they are used as intended and under conditions of misuse which are reasonably foreseeable. This part of prEN 500 contains additional requirements to prEN 500-1 “Common requirements”.	**Scope:** This part of EN 500 specifies the safety requirements for paver-finishers as defined in Clause 3 and deals with the significant hazards relevant to these machines, when they are used as intended and under conditions of misuse which are reasonably foreseeable. This part of prEN 500 contains additional requirements to prEN 500-1 “Common requirements”.

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Võtmesõnad: health pro, maintenance, marking, mechanical engineering, portable equipment, road construction, road making machines, safety, safety measures, safety requirements, specification (approval), specifications, transport, transportable, warning devices, warning systems

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Mobile road construction machinery - Safety - Part 6: Specific requirements for paver-finishers

Machines mobiles pour la construction de routes - Sécurité - Partie 6 : Prescriptions spécifiques pour finisseurs

Bewegliche Straßenbaumaschinen - Sicherheit - Teil 6: Besondere Anforderungen an Straßenfertiger

This European Standard was approved by CEN on 17 August 2006.

EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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Management Centre: rue de Stassart, 36 B-1050 Brussels

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Foreword

This document (EN 500-6:2006) 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 April 2007, and conflicting national standards shall be withdrawn at the latest by October 2008..

This document supersedes ENV 500-6:1995.

This document 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 document.

EN 500 ”Mobile road construction machinery — Safety” comprises the following parts:

— Part 1: Common requirements;

— Part 2: Specific requirements for road-milling machines;

— Part 3: Specific requirements for soil-stabilising machines and recycling machines;

— Part 4: Specific requirements for compaction machines;

— Part 6: Specific requirements for paver-finishers.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

Introduction

This European Standard is a type C standard as stated in EN ISO 12100-1.

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

When provisions of this type C standard are different from those which are stated in 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.

1 Scope

This part of EN 500 specifies the safety requirements for paver-finishers as defined in Clause 3 and deals with the significant hazards relevant to these machines, when they are used as intended and under conditions of misuse which are reasonably foreseeable. This part of EN 500 contains additional requirements to EN 500-1 “Common requirements”.

If internal and/or external vibrators are used for concrete paving, then prEN 12649 applies.

2 Normative references

The following referenced documents are indispensable for the application 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 500-1:2006, *Mobile road construction machinery — Safety — Part 1: Common requirements*

EN 953:1997, *Safety of machinery — Guards — General requirements for the design and construction of fixed and movable guards*

EN ISO 3450:1996, *Earth-moving machinery — Braking systems of rubber-tyred machines — Systems and performance requirements and test procedures (ISO 3450:1996)*

EN ISO 3744:1995, *Acoustics — Determination of sound power levels of noise sources using sound pressure — Engineering method in an essentially free field over a reflecting plane (ISO 3744:1994)*

EN ISO 11201:1995, *Acoustics — Noise emitted by machinery and equipment — Measurement of emission sound pressure levels at a work station and at other specified positions — Engineering method in an essentially free field over a reflecting plane (ISO 11201:1995)*

EN ISO 12100-1:2003, *Safety of machinery — Basic concepts, general principles for design — Part 1: Basic terminology, methodology (ISO 12100-1:2003)*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN ISO 12100-1:2003 and the following apply.

3.1
paver-finisher
mobile self-propelled machine (either rubber-tyred or crawler-mounted) specifically designed to receive, convey, distribute, profile and compact paving material (see Figures D.1 and D.2)

3.1.1
pre-compaction screed paver-finisher
machine that compacts the construction material by the weight of the screed (pre-compacting system) (see Figure D.3)

3.1.2
compaction screed paver-finisher
machine fitted with, in addition to the pre-compacting system, a single additional compaction system which may consist of vibrators or tamper bars (see Figures D.4 and D.5)