Betoonist tänavasillutis. Osa 3: Betoonist tänavasillutistes kasutatavate tüüblite spetsifikatsioon

Concrete pavements - Part 3: Specifications for dowels to be used in concrete pavements

EESTI STANDARDI EESSÕNA **NATIONAL FOREWORD**

Käesolev Eesti standard EVS-EN 13877-3:2005 sisaldab Euroopa standardi EN 13877-3:2004 ingliskeelset teksti. Käesolev dokument on jõustatud 25.01.2005 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes. Standard on kättesaadav Eesti standardiorganisatsioonist.	This Estonian standard EVS-EN 13877-3:2005 consists of the English text of the European standard EN 13877-3:2004. This document is endorsed on 25.01.2005 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 European Standard specifies the requirements for dowels to be used in cast “in situ” concrete pavements for roads, airfields and other trafficked areas.	**Scope:** This European Standard specifies the requirements for dowels to be used in cast “in situ” concrete pavements for roads, airfields and other trafficked areas.

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Concrete pavements - Part 3: Specifications for dowels to be used in concrete pavements

Chaussées en béton - Partie 3: Spécifications relatives aux goujons à utiliser dans les chaussées en béton

Fahrbahnbefestigungen aus Beton - Teil 3: Anforderungen an Dübel für Fahrbahnbefestigungen aus Beton

This European Standard was approved by CEN on 20 October 2004.

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.

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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

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Contents

Foreword

This document (EN 13877-3:2004) has been prepared by Technical Committee CEN/TC 227 “Road materials”, 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 June 2005, and conflicting national standards shall be withdrawn at the latest by June 2005.

The European Standard is one of a series of standards as follows:

EN 13877-1, *Concrete pavements — Part 1: Materials.*

EN 13877-2, *Concrete pavements — Part 2: Functional requirements for concrete pavements.*

EN 13877-3, *Concrete pavements — Part 3: Specifications for dowels to be used in concrete pavements.*

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, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

1 Scope

This document specifies the requirements for dowels to be used in cast “in situ” concrete pavements for roads, airfields and other trafficked areas.

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 10060, *Hot rolled round steel bars for general purposes. Dimensions and tolerances on shape and dimensions.*

EN 13877-1:2004, *Concrete pavements — Part 1: Materials.*

EN ISO 9001, *Quality management systems — Requirements (ISO 9001:2000).*

EN ISO 15630-1, *Steel for the reinforcement and prestressing of concrete. Test methods — Part 1: Reinforcing bars, wire rod and wire (ISO 15630-1:2002).*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 13877-1:2004 apply.

4 Requirements

Dowels shall have at least a tensile strength of 250 MPa when tested in accordance with EN ISO 15630-1.

Diameter and tolerances on diameters of dowels shall be in accordance with EN 10060. The minimum diameter shall be 16 mm. The tolerances in length shall be ± 10 mm.

Dowels shall be straight, free of burrs and other irregularities and the sliding ends sawn with no protrusions outside the normal diameter of the bar.

NOTE 1 The length of dowels should conform to national application provisions in the place of use.

NOTE 2 Before the use, half of their length at least, should be covered with a thin bituminous coating or a thin plastic sheet to prevent them from adhering to the concrete. The average thickness should be not greater than 1,25 mm.

5 Durability

The durability shall be ensured either by a protective coating factory made, or by on site treatments as a national application provision.

NOTE Protective measures against corrosion have to conform to national standards or provisions in the place of use.

6 Evaluation of Conformity

6.1 General

The compliance of the product with the requirements of this document shall be demonstrated by: