

## **Bitumen and bituminous binders - Determination of the pH value of bitumen emulsions**

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the pH value of bitumen emulsions

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 12850:2002 sisaldab Euroopa standardi EN 12850:2002 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 18.10.2002 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 12850:2002 consists of the English text of the European standard EN 12850:2002.</p> <p>This document is endorsed on 18.10.2002 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 a method for measuring the pH value of bitumen emulsions. It is applicable to anionic, cationic and non-ionic bitumen emulsions.</p>	<p><b>Scope:</b> This European Standard specifies a method for measuring the pH value of bitumen emulsions. It is applicable to anionic, cationic and non-ionic bitumen emulsions.</p>
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**ICS** 75.140, 91.100.50

**Võtmesõnad:** binders, binding agents, bitumen emulsions, bitumens, bituminous, construction, emulsions, materials, petroleum products, ph, ph measurement, testing

ICS 75.140; 91.100.50

English version

**Bitumen and bituminous binders - Determination of the pH value  
of bitumen emulsions**

Bitumes et liants bitumineux - Détermination du pH des  
émulsions de bitume

Bitumen und bitumenhaltige Bindemittel - Bestimmung des  
pH-Wertes von Bitumenemulsionen

This European Standard was approved by CEN on 15 February 2002.

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 Management Centre 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 Management Centre has the same status as the official versions.

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



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

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## Foreword

This document EN 12850:2002 has been prepared by Technical Committee CEN/TC 336 "Bituminous binders", the secretariat of which is held by AFNOR.

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 November 2002, and conflicting national standards shall be withdrawn at the latest by November 2002.

This European Standard is part of a package including 14 standards: EN 1428, EN 1429, EN 1430, EN 1431, EN 12846, EN 12847, EN 12848, EN 12849, EN 12850, EN 13074, EN 13075-1, EN 13075-2, EN 13614 and EN 13808.

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, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

## 1 Scope

This European Standard specifies a method for measuring the pH value of bitumen emulsions.

It is applicable to anionic, cationic and non-ionic bitumen emulsions.

**NOTE** In certain circumstances, the pH value can provide an indication of the ionic character of a bitumen emulsion. However, this indication should be confirmed by a particle polarity test conforming to EN 1430 [1].

**WARNING – The use of this standard can involve hazardous materials, operations and equipment. This standard does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.**

## 2 Normative references

This European Standard incorporates by dated or undated reference, 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 (including amendments).

EN 58<sup>1)</sup>, *Bitumen and bituminous binders - Sampling bituminous binders*.

EN 12594, *Bitumen and bituminous binders - Preparation of test samples*.

EN ISO 3696, *Water for analytical laboratory use - Specification and test methods (ISO 3696:1987)*.

ISO 756-1, *Propan-2-ol for industrial use - Methods of test - Part 1: General*.

ISO 1388-1, *Ethanol for industrial use - Methods of test - Part 1: General*.

ISO 5272, *Toluene for industrial use – Specifications*.

ISO 5280, *Xylene for industrial use – Specification*.

## 3 Terms and definitions

For the purpose of this European Standard, the following term and definition apply.

### 3.1

#### pH value

the negative logarithm to the base of 10 of the concentration of hydrogen ions in moles per litre of solution

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<sup>1)</sup> In course of revision.