

Geotehniline uurimine ja katsetamine
Pinnase identifitseerimine ja liigitamine
Osa 1: Identifitseerimine ja kirjeldamine

Geotechnical investigation and testing
Identification and classification of soil
Part 1: Identification and description
(ISO 14688-1:2002 + Amd 1:2013)

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN ISO 14688-1:2003+A1:2013 sisaldab Euroopa standardi EN ISO 14688-1:2002+EN ISO 14688-1:2002/A1:2013+ AC:2005 ingliskeelset teksti.</p> <p>Standard on jõustunud sellekohase teate avaldamisel EVS Teatajas.</p> <p>Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 15.08.2002.</p> <p>Standard on kättesaadav Eesti Standardikeskusest.</p>	<p>This Estonian standard EVS-EN ISO 14688-1:2003+A1:2013 consists of the English text of the European standard EN ISO 14688-1:2002+EN ISO 14688-1:2002/A1:2013+ AC:2005.</p> <p>This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.</p> <p>Date of Availability of the European standard is 15.08.2002.</p> <p>The standard is available from the Estonian Centre for Standardisation.</p>
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English version

**Geotechnical investigation and testing - Identification and
classification of soil - Part 1: Identification and description (ISO
14688-1:2002)**

Recherches et essais géotechniques - Identification et
classification des sols - Partie 1: Identification et description
(ISO 14688-1:2002)

Geotechnische Erkundung und Untersuchung -
Benennung, Beschreibung und Klassifizierung von Boden -
Teil 1: Benennung und Beschreibung (ISO 14688-1:2002)

This European Standard was approved by CEN on 24 June 2002.

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

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Foreword

This document (EN ISO 14688-1:2002) has been prepared by Technical Committee ISO/TC 182 "Geotechnics" in collaboration with Technical Committee CEN/TC 341 "Geotechnical Investigation and Testing", 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of an identical text or by endorsement, at the latest by February 2003, and conflicting national standards shall be withdrawn at the latest by February 2003.

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.

Endorsement notice

The text of ISO 14688-1:2002 has been approved by CEN as EN ISO 14688-1:2002 without any modifications.

Geotechnical investigation and testing — Identification and classification of soil —

Part 1: Identification and description

1 Scope

This part of ISO 14688, together with ISO 14688-2, establishes the basic principles for the identification and classification of soils on the basis of those material and mass characteristics most commonly used for soils for engineering purposes. The relevant characteristics may vary and therefore, for particular projects or materials, more detailed subdivisions of the descriptive and classification terms may be appropriate.

The general identification and description of soils is based on a flexible system for immediate (field) use by experienced persons, covering both material and mass characteristics by visual and manual techniques.

Details are given of the individual characteristics for identifying soils and the descriptive terms in regular use, including those related to the results of tests from the field.

This part of ISO 14688 is applicable to natural soils *in situ*, similar man-made materials *in situ* and soils redeposited by man. The identification and description of rocks is covered by ISO 14689.

The identification and classification of soil for pedological purposes, as well as in the framework of measurements for soil protection and for remediation of contaminated areas, is covered by ISO 11259.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of ISO 14688. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this part of ISO 14688 are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 11259, *Soil quality — Simplified soil description*

ISO 14688-2, *Geotechnical investigation and testing — Identification and classification of soil — Part 2: Classification principles and quantification of descriptive characteristics*

ISO 14689, *Geotechnical investigation and testing — Identification and description of rock*

3 Terms and definitions

For the purposes of this part of ISO 14688, the following terms and definitions apply.

3.1

soil

assemblage of mineral particles and/or organic matter in the form of a deposit but sometimes of organic origin, which can be separated by gentle mechanical means and which includes variable amounts of water and air (and sometimes other gases)