

Geotechnical investigation and testing — Identification and classification of soil —

Part 1: Identification and description

ICS 93.020

National foreword

This British Standard is the UK implementation of EN ISO 14688-1:2002+A1:2013. It is identical to ISO 14688-1:2002, incorporating amendment 1:2013. It supersedes BS EN ISO 14688-1:2002, which is withdrawn. It partially supersedes BS 5930:1999+A2:2010.

The UK participation in its preparation was entrusted by Technical Committee B/526, Geotechnics, to Subcommittee B/526/3, Site investigation and ground testing.

A list of organizations represented on this subcommittee can be obtained on request to its secretary.

Figure 1 includes a decision box which suggests that all inorganic low density soils are of volcanic origin. In practice, other low density inorganic soils are possible, such as loess.

The grain size definitions given in Table 1 vary from previous UK practice (as given in BS 5930:1999 and BS 1377:1990) by using a 2,0 mm and 6,3 mm cycle rather than a 2,0 mm and 6,0 mm cycle. This change is to align the grain size definitions with standard sieve sizes. It is noted that there is no effective difference in soil description between 6,0 mm and 6,3 mm.

The examples given in 4.3.3 include abbreviations for composite soils. The use of the abbreviations is not usual in UK practice where the defining terms are spelt out in full. The terms “very” or “slightly” used to describe the secondary fraction are defined in BS 5930:1999.

In 5.14 a set of descriptive terms are used to describe consistency. The terminology used is the same as that given in BS 5930:1999, except that in BS 5930:1999 they also had quantitatively defined boundaries. These numerical definitions are no longer available and so the descriptions cannot be checked by the use of field or laboratory tests.

The publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard, having been prepared under the direction of the Building and Civil Engineering Sector Policy and Strategy Committee, was published under the authority of the Standards Policy and Strategy Committee on 30 September 2002

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Amendments/corrigenda issued since publication

Amd. No.	Date	Comments
14181 Corrigendum No. 1	16 October 2002	Correction to EN ISO foreword page
16930 Corrigendum No. 2	28 February 2007	Revision of National foreword
	31 December 2013	Implementation of ISO amendment 1:2013 with CEN endorsement A1:2013: Subclause 5.5, paragraph 1 modified

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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)

This European Standard was approved by CEN on 24 June 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.

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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.

Foreword to amendment A1

This document (EN ISO 14688-1:2002/A1:2013) 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 ELOT.

This Amendment to the European Standard EN ISO 14688:2002 shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by March 2014, and conflicting national standards shall be withdrawn at the latest by March 2014.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

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Endorsement notice

The text of ISO 14688-1:2002/Amd 1:2013 has been approved by CEN as EN ISO 14688-1:2002/A1:2013 without any modification.

INTERNATIONAL STANDARD

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Geotechnical investigation and testing — Identification and classification of soil —

Part 1: Identification and description

*Recherches et essais géotechniques — Identification et classification des
sols —*

Partie 1: Identification et description



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Foreword

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International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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International Standard ISO 14688-1 was prepared by Technical Committee ISO/TC 182, *Geotechnics*, Subcommittee SC 1, *Geotechnical investigation and testing*.

ISO 14688 consists of the following parts, under the general title *Geotechnical investigation and testing — Identification and classification of soil*:

- *Part 1: Identification and description*
- *Part 2: Classification principles and quantification of descriptive characteristics*