SLOVENSKI STANDARD
SIST EN ISO 11508:2018

01-januar-2018

Nadomešča:
SIST EN ISO 11508:2014
SIST ISO 11508:2002

Kakovost tal - Določevanje gostote delcev (ISO 11508:2017)

Soil quality - Determination of particle density (ISO 11508:2017)

Bodenbeschaffenheit - Bestimmung der Kornrohdichte (ISO 11508:2017)

Qualité du sol - Détermination de la masse volumique des particules (ISO 11508:2017)

Ta slovenski standard je istoveten z: **EN ISO 11508:2017**

ICS:

13.080.20	Fizikalne lastnosti tal	Physical properties of soils

SIST EN ISO 11508:2018 **en,fr,de**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 11508

November 2017

ICS 13.080.20

Supersedes EN ISO 11508:2014

English Version

Soil quality - Determination of particle density (ISO 11508:2017)

Qualité du sol - Détermination de la masse volumique des particules (ISO 11508:2017)

Bodenbeschaffenheit - Bestimmung der Kornrohdichte (ISO 11508:2017)

This European Standard was approved by CEN on 23 August 2017.

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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

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European foreword

This document (EN ISO 11508:2017) has been prepared by Technical Committee ISO/TC 190 “Soil quality” in collaboration with Technical Committee CEN/TC 444 “Test methods for environmental characterization of solid matrices” the secretariat of which is held by NEN.

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of an identical text or by endorsement, at the latest by May 2018, and conflicting national standards shall be withdrawn at the latest by May 2018.

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

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Endorsement notice

The text of ISO 11508:2017 has been approved by CEN as EN ISO 11508:2017 without any modification.

INTERNATIONAL STANDARD

ISO 11508

Second edition
2017-09

Soil quality — Determination of particle density

Qualité du sol — Détermination de la masse volumique des particules

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee is ISO/TC 190, *Soil quality*, Subcommittee SC 3, *Chemical methods and soil characteristics*.

This second edition cancels and replaces the first edition (ISO 11508:1998), which has been technically revised.

The main changes compared to the previous edition are as follows:

a) the terms and definitions have been updated;

b) a new subclause 4.3 “Unified reference temperature” was added;

c) a new subclause 4.4 “Calculation of mean particle density” was added;

d) Table 1, “Density of water…”, was deleted under 4.1.4;

e) a new Annex A “Density of water at different temperatures” was added;

f) bibliographic references were added;

g) editorial changes were made.

Introduction

This document specifies the particle density (ρ_s) which is used together with the dry bulk density ($^b\rho_s$, see ISO 11272) for the calculation of the pore volume of a soil layer.