

საქართველოს სტანდარტი

ნიადაგის ხარისხი--ნაწილაკების სიმკვრივის განსაზღვრა (ISO 11508:2017)

საინფორმაციო ნაწილი. სრული ტექსტის სანახავად შეიძინეთ სტანდარტი.

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ეროვნული სააგენტო
თბილისი

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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 Kornrohichte
(ISO 11508:2017)

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

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Contents

Page

European foreword..... 3

საინფორმაციო ნაწილი. სრული ტექსტის სახსრად შეიძინეთ სტანდარტი.

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of an identical text or by endorsement, at the latest by May 2018, and conflicting national standards shall be withdrawn at the latest by May 2018.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

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Soil quality — Determination of particle density

Qualité du sol — Détermination de la masse volumique des particules



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Contents

Page

Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Procedure	1
4.1 Fine soil (<2 mm diameter).....	1
4.1.1 Principle.....	1
4.1.2 Apparatus.....	2
4.1.3 Sampling.....	2
4.1.4 Density determination.....	2
4.1.5 Calculation.....	2
4.2 Gravel and stones (>2 mm diameter).....	3
4.2.1 Apparatus.....	3
4.2.2 Density determination.....	3
4.2.3 Calculation.....	4
4.3 Unified reference temperature.....	5
4.4 Calculation of mean particle density.....	5
5 Test report	5
Annex A (informative) Density of water at different temperatures	6
Bibliography	9

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 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.