

**Soil improvers and growing media -
Determination of quantity for materials
with particle size greater than 60 mm**

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quantity for materials with particle size greater than
60 mm

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 15238:2007 sisaldab Euroopa standardi EN 15238:2006 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 29.01.2007 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 15238:2007 consists of the English text of the European standard EN 15238:2006.</p> <p>This document is endorsed on 29.01.2007 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>Käsitlusala: This standard specifies a method for the determination of quantity of soil improvers and growing media in bulk and in packages. This is a reference method, which is designed with an appropriate precision level aimed at enabling validation of any quantity declaration made.</p>	<p>Scope: This standard specifies a method for the determination of quantity of soil improvers and growing media in bulk and in packages. This is a reference method, which is designed with an appropriate precision level aimed at enabling validation of any quantity declaration made.</p>
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ICS 65.080

Võtmesõnad:

ICS 65.080

English Version

Soil improvers and growing media - Determination of quantity for materials with particle size greater than 60 mm

Amendements du sol et supports de culture -
Détermination de la quantité pour les matériaux de
granulométrie supérieure à 60 mm

Bodenverbesserungsmittel und Kultursubstrate -
Bestimmung der Menge für Materialien mit einer
Partikelgröße über 60 mm

This European Standard was approved by CEN on 21 October 2006.

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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 Central Secretariat has the same status as the official versions.

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Foreword

This document (EN 15238:2006) has been prepared by Technical Committee CEN/TC 223 "Soil improvers and growing media", the secretariat of which is held by BSI.

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 June 2007, and conflicting national standards shall be withdrawn at the latest by June 2007.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

Introduction

Soil improvers and growing media are generally traded by volume as the weight of the product can be greatly affected by the moisture content. It is important for both consumers and traders to know the volume of product being traded. Furthermore, for the cultivation of plants, it is the volume of the product, and not the weight, that is generally important. The volume is calculated from knowing the weight and density of the product, the latter being determined from weighing a known reference volume of product. As some soil improvers and growing media are compressible it is important that this aspect be addressed in the method of determining the density. A suitably competent person should undertake this testing.

For those materials traded by reference to its mass, this document recognises the effects the moisture content can have on the quantity declared. Therefore, for such transactions, any weight is accompanied by the moisture content so that the solid matter content can be calculated.

1 Scope

This standard specifies a method for the determination of quantity of soil improvers, excluding liming materials and growing media in bulk and in packages. This is a reference method, which is designed with an appropriate precision level aimed at enabling validation of any quantity declaration made.

This document applies to material that is in solid form, but not in block form to be sold by dimension, and which exceeds the particle size restriction in EN 12580 [1] and where the declared nominal particle size is greater than 60 mm. This method is applicable for products where a mass fraction of less than 10% of material is retained on the 100 mm fall controller.

NOTE 1 The requirements of this standard may differ from the national legal requirements for the declaration of quantity for the products concerned.

NOTE 2 Where there is no legal requirement to use this method, for example in quantity control of packaged product, then it is permissible for any other methods to be used so long as these other methods can be demonstrated to be comparable with this standard method in giving the same quantity with the same precision.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 12579:1999, *Soil improvers and growing media – Sampling*

EN 13040, *Soil improvers and growing media – Sample preparation for chemical and physical tests, determination of dry matter content, moisture content and laboratory compacted bulk density*

EN 45501, *Metrological aspects of non-automatic weighing instruments*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1

batch

quantity of goods manufactured by the same process under the same conditions and labelled in the same manner and assumed to have the same characteristics

3.2

bulk material

material that is not packaged

3.3

container

any container, including lorry, boat, and package

3.4

density

density of the material as received or reconstituted for use in accordance with the manufacturer's instructions, determined by the method specified in this standard