

STN	Pôdne pomocné látky a pestovateľské substráty Stanovenie množstva pre materiály s veľkosťou častíc viac ako 60 mm	STN EN 15238 46 5734
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Soil improvers and growing media - Determination of quantity for materials with particle size greater than 60 mm

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 01/23

Obsahuje: EN 15238:2022

Oznámením tejto normy sa ruší
STN EN 15238 (46 5734) z mája 2007

136227

EUROPEAN STANDARD

EN 15238

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 2022

ICS 65.080

Supersedes EN 15238:2006

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 5 July 2022.

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

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EN 15238:2022 (E)

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European foreword

This document (EN 15238:2022) has been prepared by Technical Committee CEN/TC 223 “Soil improvers and growing media”, 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of an identical text or by endorsement, at the latest by May 2023 and conflicting national standards shall be withdrawn at the latest by May 2023.

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.

This document supersedes EN 15238:2006.

In comparison with the previous edition, the following technical modifications have been made:

- the text has been editorially revised, no technical changes to the described method have been made;
- references in Clause 2 and the Bibliography have been updated;
- the terms and definitions have been aligned with CEN/TS 17732:2022;
- the figure has been replaced by two other figures with an example of the apparatus.

This document has been prepared under a Standardization Request given to CEN by the European Commission and the European Free Trade Association.

Any feedback and questions on this document should be directed to the users’ national standards body. A complete listing of these bodies can be found on the CEN website.

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EN 15238:2022 (E)**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.

NOTE In this document, mass and weight are used interchangeably with the same meaning.

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 bulk 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 bulk density. A suitably competent person should undertake this testing.

For those materials traded by reference to its mass, this document recognizes 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 document specifies a method for the determination of quantity of soil improvers and growing media in bulk and in packages. This method is designed with an appropriate precision level so that it can be used to validate any quantity determination made.

This document is applicable to material in any form, reconstituted if necessary, but not to plugs, blocks and slabs sold as such by dimension; for these, see EN 15761.

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 and where the declared nominal particle size is greater than 60 mm.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

CEN/TS 17732:2022, *Soil improvers and growing media - Terminology*

EN 12579:2013, *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 45501:2015, *Metrological aspects of non-automatic weighing instruments*

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