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Fertilizers, liming materials and inhibitors -
Vocabulary - Part 3: Terms relating to liming materials

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>See Eesti standard EVS-EN 12944-3:2025 sisaldab Euroopa standardi EN 12944-3:2025 ingliskeelset teksti.</p> <p>Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.</p> <p>Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 24.09.2025.</p> <p>Standard on kättesaadav Eesti Standardimis- ja Akrediteerimiskeskusest.</p>	<p>This Estonian standard EVS-EN 12944-3:2025 consists of the English text of the European standard EN 12944-3:2025.</p> <p>This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation and Accreditation.</p> <p>Date of Availability of the European standard is 24.09.2025.</p> <p>The standard is available from the Estonian Centre for Standardisation and Accreditation.</p>
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English Version

Fertilizers, liming materials and inhibitors - Vocabulary - Part 3: Terms relating to liming materials

Engrais, amendements minéraux basiques et
inhibiteurs - Vocabulaire - Partie 3 : Termes relatifs
aux amendements minéraux basiques

Düngemittel, Kalkdünger und Hemmstoffe - Begriffe -
Teil 3: Begriffe für Kalkdünger

This European Standard was approved by CEN on 27 July 2025.

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 CEN-CENELEC 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 CEN-CENELEC Management Centre has the same status as the official versions.

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

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European foreword

This document (EN 12944-3:2025) has been prepared by Technical Committee CEN/TC 260 “Fertilizers and liming materials”, 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 March 2026, and conflicting national standards shall be withdrawn at the latest by March 2026.

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 12944-3:2019.

EN 12944-3:2025 includes the following significant technical changes with respect to EN 12944-3:2019:

- a) the definitions of 3.1.17 “limestone”, 3.1.18 “magnesian limestone” and 3.1.19 “dolomitic limestone” have been revised to be in line with minimum and maximum magnesium oxide (MgO) contents of EN 14069;
- b) blast furnace lime and blast furnace slag (see 3.1.22) have both been recognized as preferred terms;
- c) converter lime and converter slag (see 3.1.23) have both been recognized as preferred terms;
- d) the term “free lime” was modified to “free lime effect in soil” (see 3.4.4);
- e) the terms “alkaline solution”, “acid solution” and “pH value” have been removed as these are common terms;
- f) informative annex including a general index to all parts of the EN 12944 series has been removed;
- g) addition of EN 14069 in the bibliography;
- h) addition of EN 17816 in the bibliography;
- i) update of the reference to ISO 8157 in the bibliography.

The EN 12944 series, under the general title *Fertilizers, liming materials and inhibitors — Vocabulary*, is currently composed of the following parts:

- *Part 1: General terms.*
- *Part 2: Terms relating to fertilizers.*
- *Part 3: Terms relating to liming materials.*

These definitions do not necessarily correspond to those used in national legislation.

NOTE A classification scheme for fertilizers and liming materials is given in EN 13535.

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.

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

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1 Scope

This document defines terms relating to liming materials.

An index of all terms defined in this part of the EN 12944 series is given in Annex A in English, French and German.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

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

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <https://www.electropedia.org/>

3.1 Terms relating to production processes and fertilising products

3.1.1

calcination

burning or heating of a material, usually in order to remove volatile components or in order to change the crystal structure

3.1.2

carbonation

conversion of slaked lime to carbonate by uptake of carbon dioxide

3.1.3

chalk

form of calcium carbonate derived from the skeletons of microscopic marine organisms

3.1.4

wet grinding

grinding of material in the presence of water

3.1.5

degree of burning

degree to which carbon dioxide has been removed during the production of quicklime or burnt dolomite

3.1.6

lime-burnt dolomite

dolomitic limestone calcined to the same carbon dioxide level as normally burnt limestone

3.1.7

burnt dolomite

liming material mainly consisting of calcium oxide and magnesium oxide obtained by calcination of dolomitic limestone