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Liming materials - Denominations, specifications and labelling

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. 12/25

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EN 14069

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English Version

**Liming materials - Denominations, specifications and
labelling**

Amendements minéraux basiques - Dénominations,
spécifications et étiquetage

Kalkdünger - Bezeichnung, Spezifizierung und
Kennzeichnung

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

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

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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EN 14069:2025 (E)

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European foreword

This document (EN 14069:2025) 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of an identical text or by endorsement, at the latest by March 2026, and conflicting national standards shall be withdrawn at the latest by March 2026.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 14069:2017.

EN 14069:2025 includes the following significant technical changes with respect to EN 14069:2017:

- a) Informational reference to the Fertilisers Product Regulation (Regulation (EU) 2019/1009) repealing Regulation (EC) 2003/2003;
- b) Revision of chalk definition using Regulation (EU) 2019/1009 as a source;
- c) Modification of Clause 8 on Declaration.

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.

EN 14069:2025 (E)**Introduction**

Throughout the member countries of CEN, regular liming to regulate the soil pH level and to neutralize the effect of soil acidification is a well-established and essential agricultural operation on all soils in humid climates and under all systems of agricultural cultivation. Liming improves soil fertility and supplies essential plant nutrients.

Liming materials are also used in forest liming, lake liming and the liming of water catchment areas.

A wide range of natural geological deposits of liming materials is found in all member countries of CEN. Some industrial processes produce materials acceptable as liming products. This very wide range of material differs substantially in both chemical and physical properties. The use of these various materials will vary according to the type of material.

However, for the purpose of comparison of these products, it is relevant to describe and specify the minimum requirements of a liming material.

NOTE Regulation (EU) 2019/1009 [1], which replaces Regulation (EC) No 2003/2003 [2] and has an accompanying communication on visual aspects of labels [3] that allows to refer to denominations (type designations) of this standard in the label section “additional information”, has been used as a source for this document.

Liming materials in Europe show a large diversity due to factors as climate and type of crops, production, transport, storing and spreading of lime adapted to regional conditions. Standard quality covers these varying liming materials, whilst fine quality credits rapidly dissolving materials needed for certain specialized agricultural productions or to allow the dissolution of the liming material in some soil types having a higher pH value in a rapid and controlled way.

1 Scope

This document describes and specifies the requirements of products of natural origin and products from industrial processes of basic and fine quality to be used as liming materials in agriculture for raising the pH of soil (and water).

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.

EN 12048, *Solid fertilizers and liming materials — Determination of moisture content — Gravimetric method by drying at $(105 \pm 2)^{\circ}\text{C}$ (ISO 8190:1992, modified)*

EN 12049, *Solid fertilizers and liming materials - Determination of moisture content - Gravimetric method by drying under reduced pressure (ISO 8189:1992 modified)*

EN 12944-1, *Fertilizers and liming materials — Vocabulary — Part 1: General terms*

EN 12944-3, *Fertilizers and liming materials — Vocabulary — Part 3: Terms relating to liming materials*

EN 12945, *Liming materials — Determination of neutralizing value — Titrimetric methods*

EN 12946, *Liming materials — Determination of the calcium content and magnesium content — Complexometric method*

EN 12947, *Liming materials — Determination of magnesium content — Atomic absorption spectrometric method*

EN 12948, *Liming materials — Determination of size distribution by dry and wet sieving*

EN 13475, *Liming materials — Determination of calcium content — Oxalate method*

EN 13971, *Carbonate and silicate liming materials — Determination of reactivity — Potentiometric titration method with hydrochloric acid*

EN 14397-2, *Fertilizers and liming materials — Determination of carbon dioxide — Part 2: Method for liming materials*

EN 14984, *Liming materials — Determination of product effect on soil pH — Soil incubation method*

EN 15704, *Liming materials — Determination of the breakdown of granulated calcium and calcium/magnesium carbonates under the influence of water*

EN 16357, *Carbonate liming materials — Determination of reactivity — Automatic titration method with citric acid*

ISO 6598, *Fertilizers — Determination of phosphorus content — Quinoline phosphomolybdate gravimetric method*

ISO 7497, *Fertilizers — Extraction of phosphates soluble in mineral acids*

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