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**Mleti apnenec za beton, malto in injekcijsko maso - Definicija, specifikacije in merila skladnosti**

Ground limestone for use in concrete, mortar and grout - Definition, specifications and conformity criteria

Gemahlener Kalkstein für die Nutzung in Beton, Mörtel und Fugenmörtel - Definition, Anforderungen und Konformitätskriterien

Additions calcaires pour utilisation dans le béton, le mortier et le coulis - Définition, spécifications et critères de conformité

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91.100.30	Beton in betonski izdelki	Concrete and concrete products

**SIST EN 18136:2026****en,fr,de**

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NORME EUROPÉENNE

EUROPÄISCHE NORM

May 2026

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## Ground limestone for use in concrete, mortar and grout - Definition, specifications and conformity criteria

Calcaire moulu pour utilisation dans le béton, le mortier et le coulis - Définition, spécifications et critères de conformité

Gemahlener Kalkstein für die Nutzung in Beton, Mörtel und Fugenmörtel - Definition, Anforderungen und Konformitätskriterien

This European Standard was approved by CEN on 9 February 2026.

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## European foreword

This document (EN 18136:2026) has been prepared by Technical Committee CEN/TC 104 “Concrete and related products”, the secretariat of which is held by SN.

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of an identical text or by endorsement, at the latest by September 2026, and conflicting national standards shall be withdrawn at the latest by May 2029.

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.

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 18136:2026 (E)****Introduction**

This document sets out specifications for ground limestone for use in concrete, mortar and grout. It is based on a survey that has been carried out in European countries already using ground limestone in concrete, which has enabled the identification of the common core group of characteristics and common values.

The ground limestone referred to in this document is originated from the exploitation of carbonate rock-forming minerals (limestone, chalk, marble, dolostone). Ground limestone is used in concrete production in some European countries, based on national experience and tradition.

When using ground limestone conforming to this document, consider that certain properties of fresh and hardened concrete can be influenced. Where relevant, such effects need to be considered in concrete mix design.

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## 1 Scope

This document specifies requirements for the chemical and physical properties as well as quality control procedures for ground limestone for use as an addition in concrete.

This document is also applicable to ground limestone to be used in mortars and grouts.

This document does not specify provisions for the use of ground limestone in the production of concrete.

## 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 196-1, *Methods of testing cement - Part 1: Determination of strength*

EN 196-2, *Methods of testing cement - Part 2: Chemical analysis of cement*

EN 196-3, *Methods of testing cement - Part 3: Determination of setting times and soundness*

EN 196-6, *Methods of testing cement - Part 6: Determination of fineness*

EN 196-7, *Methods of testing cement - Part 7: Methods of taking and preparing samples of cement*

EN 197-1, *Cement - Part 1: Composition, specifications and conformity criteria for common cements*

EN 933-9, *Tests for geometrical properties of aggregates - Part 9: Assessment of fines - Methylene blue test*

EN 933-10, *Tests for geometrical properties of aggregates - Part 10: Assessment of fines - Grading of filler aggregates (air jet sieving)*

EN 1097-5, *Tests for mechanical and physical properties of aggregates - Part 5: Determination of the water content by drying in a ventilated oven*

EN 1097-7, *Tests for mechanical and physical properties of aggregates - Part 7: Determination of the particle density of filler - Pycnometer method*

EN 1744-1, *Tests for chemical properties of aggregates — Part 1: Chemical analysis*

EN 13639, *Determination of total organic carbon in limestone*

## 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

#### **ground limestone**

fine particles obtained by grinding and/or selection, dry or in aqueous suspension, from carbonate rocks

Note 1 to entry: E.g. limestone, chalk, marble, dolostone.