## STN

#### Cement a stavebné vápno Environmentálne vyhlásenia o produktoch Pravidlá pre skupinu výrobkov dopĺňajúcich EN 15804

STN EN 16908+A1

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Cement and building lime - Environmental product declarations - Product category rules complementary to EN 15804

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

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#### **English Version**

# Cement and building lime - Environmental product declarations - Product category rules complementary to EN 15804

Ciment et chaux de constructions - Déclaration environnementales sur les produits - Règles de catégorie de produits complémentaires de l'EN 15804 Zement und Baukalk - Umweltproduktdeklarationen - Produktkategorieregeln in Ergänzung zu EN 15804

This European Standard was approved by CEN on 21 November 2016 and includes Amendment 1 approved by CEN on 10 January 2022.

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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#### **European foreword**

This document (EN 16908:2017+A1:2022) has been prepared by Technical Committee CEN/TC 51 "Cement and building limes", the secretariat of which is held by NBN.

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of an identical text or by endorsement, at the latest by September 2022, and conflicting national standards shall be withdrawn at the latest by September 2022.

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 includes Amendment 1 approved by CEN on 10 January 2022.

This document supersedes At EN 16908:2017 At.

The start and finish of text introduced or altered by amendment is indicated in the text by tags 🗗 街.

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.

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, Turkey and the United Kingdom.

#### Introduction

#### How to use this document

This document provides product category rules (PCR) for Type III environmental declarations (EPDs) according to (A) EN 15804:2012+A2:2019 (A) for cement and building lime, in particular to products according to the standards developed in CEN/TC 51 "Cement and building limes".

The European Standard A EN 15804:2012+A2:2019 A "Core rules for the product category of construction products", is intended as the core PCR to be followed. This PCR document supplements A EN 15804:2012+A2:2019 A by giving more detail for specific items relevant to cement and building lime. In all cases where no specific rules are given in this document, A EN 15804:2012+A2:2019 A should be followed. Therefore, this document should be read in parallel with A EN 15804:2012+A2:2019 A EN 15804:2012+A2:2019 A is normatively referenced in this document and is indispensable for its application.

The structure of this document follows that of A EN 15804:2012+A2:2019 A, with all headings and section numbers kept the same. Where a section of A EN 15804:2012+A2:2019 A applies without modification, this is indicated. Where a section of A EN 15804:2012+A2:2019 A is not relevant for EPDs covered by this PCR, this is also indicated.

The purpose of an EPD is given in the Introduction to A EN 15804:2012+A2:2019 (A).

#### **Definition of the covered products**

#### Cement

Cement is defined in standards published by CEN/TC 51 as "a hydraulic binder, i.e. a finely ground inorganic material which, when mixed with water, forms a paste which sets and hardens by means of hydration reactions and processes and which, after hardening, retains its strength and stability even under water".

#### **Building Lime**

Building lime is defined in EN 459-1 as a "group of lime products, exclusively consisting of two families: air lime and lime with hydraulic properties, used in applications or materials for construction, building and civil engineering." Air lime refers to the product which combines and hardens with carbon dioxide present in air.

Air lime refers to the product which combines and hardens with carbon dioxide present in air. Air lime has no hydraulic properties. Air lime is divided into two sub-families, calcium lime (CL) and dolomitic lime (DL). Calcium lime is an air lime consisting mainly of calcium oxide (quicklime) and/or calcium hydroxide (hydrated lime). Dolomitic lime is an air lime consisting mainly of calcium magnesium oxide and/or calcium magnesium hydroxide.

Lime with hydraulic properties is a building lime consisting mainly of calcium hydroxide, calcium silicates and calcium aluminates. It has the property of setting and hardening when mixed with water and/or under water. Reaction with atmospheric carbon dioxide is part of the hardening process. Lime with hydraulic properties is divided into three subfamilies, natural hydraulic lime (NHL), formulated lime (FL) and hydraulic lime (HL).

#### 1 Scope

The general scope of the core product category rules (PCR) is given in [A] EN 15804:2012+A2:2019 (A1), Clause 1.

This PCR is primarily intended for the creation of cradle-to-gate EPDs of cement and building lime. In other respects, the scope is as in [A] EN 15804:2012+A2:2019 [A].

#### 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 15804:2012+A2:2019, Sustainability of construction works — Environmental product declarations — Core rules for the product category of construction products [A]

koniec náhľadu – text ďalej pokračuje v platenej verzii STN