

STN	Cement a stavebné vápno Environmentálne vyhlásenia o produktoch Pravidlá pre skupinu výrobkov dopĺňajúcich EN 15804	STN EN 16908 72 2103
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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.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 07/17

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Podľa zákona č. 264/1999 Z. z. o technických požiadavkách na výrobky a o posudzovaní zhody a o zmene a doplnení niektorých zákonov v znení neskorších predpisov sa slovenská technická norma a časti slovenskej technickej normy môžu rozmnožovať alebo rozširovať len so súhlasom slovenského národného normalizačného orgánu.

EUROPEAN STANDARD

EN 16908

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English Version

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

Ciment et chaux de construction - Déclarations environnementales sur les produits - Règles de catégorie de produits complémentaires de l'EN 15804

Zement und Baukalk - Umweltproduktdeklarationen - Produktkategorieregeln in Ergänzung zu EN 15804

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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Contents	Page
European foreword.....	4
Introduction	5
1 Scope.....	6
2 Normative references.....	6
3 Terms and definitions	6
4 Abbreviations	6
5 General aspects.....	6
5.1 Objective of the Core PCR.....	6
5.2 Types of EPD with respect to life cycle stages covered.....	6
5.3 Comparability of EPD for construction products	6
5.4 Additional information	7
5.5 Ownership, responsibility and liability for the EPD.....	7
5.6 Communication formats.....	7
6 Product Category Rules for LCA.....	7
6.1 Product category	7
6.2 Life cycle stages and their information modules to be included	7
6.2.1 General.....	7
6.2.2 A1-A3, Product stage, information modules	7
6.2.3 A4-A5, Construction process stage, information modules.....	7
6.2.4 B1-B5, Use stage, information modules related to the building fabric.....	7
6.2.5 B6-B7, Use stage, information modules related to the operation of the building	7
6.2.6 C1-C4, End-of-life-stage, information modules.....	8
6.2.7 D, Benefits and loads beyond the system boundary, information module	8
6.3 Calculation rules for the LCA.....	8
6.3.1 Functional unit.....	8
6.3.2 Declared unit	8
6.3.3 Reference service life (RSL).....	8
6.3.4 System boundaries	8
6.3.5 Criteria for the exclusion of inputs and outputs.....	12
6.3.6 Selection of data.....	12
6.3.7 Data quality requirements.....	12
6.3.8 Developing product level scenarios	12
6.3.9 Units.....	12
6.4 Inventory analysis	13
6.4.1 Collecting data.....	13
6.4.2 Calculation procedures	13
6.4.3 Allocation of input flows and output emissions.....	13
6.5 Impact assessment.....	14
7 Content of the EPD	14
7.1 Declaration of general information.....	14
7.2 Declaration of environmental parameters derived from LCA.....	15
7.2.1 General.....	15
7.2.2 Rules for declaring LCA information per module.....	16
7.2.3 Parameters describing environmental impacts	16

7.2.4	Parameters describing resource use	16
7.2.5	Other environmental information describing different waste categories and output flows	16
7.3	Scenarios and additional technical information	16
7.3.1	General	16
7.3.2	Construction process stage	16
7.3.3	B1-B7 Use stage	16
7.3.4	End-of-life	16
7.3.5	Carbonation in cement-based products	16
7.3.6	Carbonation in building lime	17
7.4	Additional information on release of dangerous substances to indoor air, soil and water during the use stage	17
7.5	Aggregation of information modules	17
8	Project report	17
9	Verification and validity of an EPD	17
	Bibliography	23

European foreword

This document (EN 16908:2017) 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 August 2017, and conflicting national standards shall be withdrawn at the latest by August 2017.

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.

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Introduction

How to use this document

This document provides product category rules (PCR) for Type III environmental declarations (EPDs) according to EN 15804 [14] 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 EN 15804, “Core rules for the product category of construction products”, is intended as the core PCR to be followed. This PCR document supplements EN 15804 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, EN 15804 should be followed. Therefore, this document should be read in parallel with EN 15804. EN 15804 is normatively referenced in this document and is indispensable for its application.

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

The purpose of an EPD is given in the Introduction to EN 15804.

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 EN 15804:2012+A1:2013, 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 EN 15804.

2 Normative references

As in EN 15804.

koniec náhľadu – text ďalej pokračuje v platenej verzii STN