



SLOVENSKI STANDARD
SIST EN 16908:2017/oprA1:2021

01-marec-2021

Cement in gradbeno apno - Okoljske deklaracije za proizvode - Pravila za kategorije proizvodov, ki dopolnjujejo EN 15804

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

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

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

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Ta slovenski standard je istoveten z: EN 16908:2017/prA1

ICS:

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91.100.10	Cement. Mavec. Apno. Malta	Cement. Gypsum. Lime. Mortar

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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 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

This draft amendment is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 51.

This draft amendment A1, if approved, will modify the European Standard EN 16908:2017. If this draft becomes an amendment, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for inclusion of this amendment into the relevant national standard without any alteration.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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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 16908:2017/prA1:2021) has been prepared by Technical Committee CEN/TC 51 “Cement and building limes”, the secretariat of which is held by NBN.

This document is currently submitted to the CEN Enquiry.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association.

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EN 16908:2017/prA1:2021 (E)**1 Modification throughout the entire document**

Replace “EN 15804” or “EN 15804:2012+A1:2013” with “EN 15804:2012+A2:2019”.

2 Modification to Clause 2, "Normative references"

Replace "As in EN 15804" with the following:

"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*".

3 Modification to 5.2 "Types of EPD with respect to life cycle stages covered"

Add the following paragraph after “As in EN 15804:2012+A2:2019”:

“Cement and building lime fulfil the three conditions

- the product or material is physically integrated with other products during installation so they cannot be physically separated from them at end of life, and
- the product or material is no longer identifiable at end of life as a result of a physical or chemical transformation process, and
- the product or material does not contain biogenic carbon and are therefore exempt from the obligation to declare modules C1–C4 and D.”.

4 Modifications to 5.4 "Additional information"

Replace the whole content of 5.4 “Additional information” with the following:

5.4 Additional environmental information**5.4.1 General**

As in EN 15804:2012+A2:2019.

5.4.2 Additional impact indicators

As in EN 15804:2012+A2:2019.

In EPDs for cement and building lime, the impact categories “Particulate Matter emissions” and “Ionizing radiation, human health” should be declared. The indicators “Eco-toxicity (freshwater)”, “human toxicity, cancer effects”, “Human toxicity, non-cancer effects” and “Land use related impacts/Soil quality” should not be declared in EPDs for cement as the uncertainties with respect to the results are high [15].

5.4.3 Additional information on carbon offset, carbon storage and delayed emissions

As in EN 15804:2012+A2:2019.

5.4.4 Additional Information not derived from LCA

As in EN 15804:2012+A2:2019.

For additional information on emissions to indoor air, soil and water during the use stage, please refer to the respective PCR/EPDs for downstream products such as ready-mix concrete, precast concrete, screed, plasters, masonry mortars, etc.

The lime cycle of lime is shown in Figure 2.”.

5 Addition of 6.3.1 “Functional or declared unit”

Add a new Subclause 6.3.1 “Functional or declared unit” which reads as follows:

“6.3.1 Functional or declared unit

As in EN 15804:2012+A2:2019.”

Change the numbering of the following clauses accordingly.

6 Modification to 6.3.2 “Functional unit”

Replace the content of 6.3.2 “Functional unit” (former 6.3.1) with the following:

“6.3.2.1 General

As in EN 15804:2012+A2:2019.

As cement and building lime are intermediate products, no functional unit can be defined in EPDs for cement and building lime. A declared unit is used as defined in 6.3.3.

6.3.2.2 Performance in a functional unit

As in EN 15804:2012+A2:2019.”

7 Modification to 6.3.4 “Reference service life (RSL)”

Replace the content of 6.3.4 “Functional unit” (former 6.3.3) with the following:

“6.3.4.1 General

As in EN 15804:2012+A2:2019.

No RSL is declared for cement or building lime as they are intermediate building products. A reference service life could be declared for downstream products such as ready-mix concrete, precast concrete, screed, plasters, masonry mortars or other building products in which cement and/or building lime are used.

6.3.4.2 Scenarios for RSL and functional unit

As in EN 15804:2012+A2:2019.”

8 Modification to 6.3.8 “Data quality”

In 6.3.8 (former 6.3.7), replace the title “Data quality requirements” with “Data quality” and replace the content with the following:

“6.3.8.1 General

As in EN 15804:2012+A2:2019.

6.3.8.2 Data quality requirements

As in EN 15804:2012+A2:2019.

6.3.8.3 Data quality assessment schemes applied on generic and specific data used and established in the EPD

As in EN 15804:2012+A2:2019.”.

9 Modification to 6.4.3.4 “Allocation procedure of reuse, recycling and recovery”

Replace “As in EN 15804” with “As in EN 15804:2012+A2:2019, 6.4.3.3.”.

EN 16908:2017/prA1:2021 (E)

10 Addition of 6.4.4 “Information on biogenic carbon content”**“6.4.4 Information on biogenic carbon content**

As in EN 15804:2012+A2:2019.

Cement and building lime do not contain biogenic carbon, hence for cement and building lime the obligation to declare the amount of biogenic carbon only refers to possible packaging.”.

11 Modification to 6.5 “Impact assessment”

Replace the content of 6.5 “Impact assessment” with the following:

“6.5.1 General

As in EN 15804:2012+A2:2019.

6.5.2 Core environmental impact indicators

As in EN 15804:2012+A2:2019.

6.5.3 Additional environmental impact indicators

As in EN 15804:2012+A2:2019.”.

12 Modification to 7.2.3 “Parameters describing environmental impacts”

Replace the title of 7.2.3 “Parameters describing environmental impacts” with “Indicators describing environmental impacts based on Life Cycle Impact Assessment (LCIA)” and replace the content with the following:

“7.2.3.1 Core environmental impact indicators

As in EN 15804:2012+A2:2019.

For cement and building lime, the contribution of GWP-luluc to GWP total is generally < 5 %. It is therefore permitted to omit GWP-luluc as separate information.

7.2.3.2 Additional environmental impact indicators

As in EN 15804:2012+A2:2019.

7.2.3.3 Disclaimers to the declaration of core and additional environmental impact indicators

As in EN 15804:2012+A2:2019.”.

13 Modification to 7.2.4 “Parameters describing resource use”

Replace the title of 7.2.4 “Parameters describing resource use” with “Indicators describing resource use and environmental information based on based on Life Cycle Inventory (LCI)” and replace the content with the following:

“7.2.4.1 General

As in EN 15804:2012+A2:2019.

7.2.4.2 Indicators describing resource use

As in EN 15804:2012+A2:2019.

7.2.4.3 Environmental information describing waste categories

As in EN 15804:2012+A2:2019.

7.2.4.4 Environmental information describing output flows

As in EN 15804:2012+A2:2019.”.

14 Modification to 7.2.5 “Other environmental information describing different waste categories and output flows”

Replace the title of 7.2.5 “Other environmental information describing different waste categories and output flows” with “Information on biogenic carbon content”. The content of 7.2.5 is as in EN 15804:2012+A2:2019.

15 Modification to Annex C “Characterization factors for GWP, ODP, AP, EP, POCP and ADP”

Replace the title of Annex C “Characterization factors for GWP, ODP, AP, EP, POCP and ADP” with “Impact categories and related indicators, methodologies and characterization factors (CF)”.

16 Modification to Annex D “Application of the polluter pays principle”

Move the content of Annex D “Application of the polluter pays principle” to a new informative Annex F “Application of the polluter pays principle”.

17 Addition of Annex D “End of life formulae”

Add a new Annex D with the following content:

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“Annex D
 (informative)
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End of life formulae

As in EN 15804:2012+A2:2019.

Cement and building lime are exempt from the obligation to declare modules C1–C4 and D (see 5.2). Therefore, for cement and building lime, the formulae for module C (Formula (D.4)) and module D (Formula (D.5)) are not applicable.”.

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18 Addition of Annex E “Schemes to be applied for data quality assessment of generic and specific data”

Add a new Annex E with the following content:

“Annex E (informative)

Schemes to be applied for data quality assessment of generic and specific data

As in EN 15804:2012+A2:2019.”.

19 Modifications to the Bibliography

Delete reference [14] “EN 15804:2012+A1:2013, Sustainability of construction works — Environmental product declarations — Core rules for the product category of construction products”.

Add the following reference to the list:

“[14] maki consulting GmbH “Assessment of EN 15804 for cement, concrete, rebar, admixtures for the ECP” (November 2019)”.

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