



SLOVENSKI STANDARD
SIST EN 15804:2012/kFprA1:2013
01-julij-2013

Trajnostnost gradbenih objektov - Okoljske deklaracije na proizvodih - Osnovna pravila za kategorije proizvodov za gradbene proizvode - Dopolnilo A1

Sustainability of construction works - Environmental product declarations - Core rules for the product category of construction products

Nachhaltigkeit von Bauwerken - Umweltproduktdeklarationen - Grundregeln für die Produktkategorie Bauprodukte

Contribution des ouvrages de construction au développement durable - Déclarations environnementales sur les produits - Règles régissant les catégories de produits de construction

Ta slovenski standard je istoveten z: EN 15804:2012/FprA1

ICS:

13.020.99	Drugi standardi v zvezi z varstvom okolja	Other standards related to environmental protection
91.040.01	Stavbe na splošno	Buildings in general

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EUROPEAN STANDARD
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English Version

Sustainability of construction works - Environmental product declarations - Core rules for the product category of construction products

Contribution des ouvrages de construction au développement durable - Déclarations environnementales sur les produits - Règles régissant les catégories de produits de construction

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This draft amendment is submitted to CEN members for unique acceptance procedure. It has been drawn up by the Technical Committee CEN/TC 350.

This draft amendment A1, if approved, will modify the European Standard EN 15804:2012. 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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Foreword

This document (EN 15804:2012/FprA1:2013) has been prepared by Technical Committee CEN/TC 350 "Sustainability of construction works", the secretariat of which is held by AFNOR.

This document is currently submitted to the Unique Acceptance Procedure.

EN 15804:2012/FprA1:2013 (E)**1 Modification to 3.8**

Replace "ISO 21930-1:2007" with "ISO 21930:2007".

2 Modification to NOTE of 5.1

Replace "See definition 3.4 and ISO14044:2006, clause 5.1" with "See definition 3.4 and ISO 14044:2006, 5.3".

3 Modification to 6.3.2, first item in the list

Replace "dimensions to be specified" with "dimensions shall be specified".

4 Modification to 6.5

Replace the existing text of 6.5 with the following:

"The impact assessment is carried out for the following impact categories:

- global warming;
- ozone depletion;
- acidification of soil and water;
- eutrophication;
- photochemical ozone creation;
- depletion of abiotic resources (elements);
- depletion of abiotic resources (fossil).

The characterisation factors for GWP, ODP, AP, EP, POCP and ADP given in Annex C shall be used.

NOTE 1 The 'accumulated exceedance' method for AP and EP recommended by JRC is considered not to be ready for standardization yet, because it needs a new regional set of characterisation factors, and because this method is not yet common practice with the stakeholders nor available in databases. The method using the reserve base for ADP elements recommended by JRC is not considered common practice.

If specific ADP fossil fuel values are known, these shall be used; any such use has to be stated.

Complementary and consistent factors may be used in order to achieve consistency between LCI data and available characterisation factors.

NOTE 2 It is considered good practice to identify LCI data which has no calculated environmental impact within the project report. This can help to identify the need for complementary and consistent characterisation factors for relevant LCI flows."

5 Modification to 7.1, Table 2

Replace "Independent verification of the declaration" with "Independent verification of the declaration and data".

6 Modification to 7.3.1. second paragraph

Replace "defined in 7.2.2, 7.2.3 and 7.2.4" with "defined in 7.2.3, 7.2.4 and 7.2.5".

7 Addition of the following Annex C

"

Annex C
(normative)

Characterisation factors for GWP, ODP, AP, EP, POCP and ADP

The characterisation factors listed in the following tables are taken from CML –IA version 4.1, dated October 2012 (Institute of Environmental Sciences Faculty of Science University of Leiden, Netherlands) with the permission of CML – © all rights reserved and identified as "baseline".

Table A.1 — Characterisation factors concerning abiotic depletion (fossil fuels)

Substance	CAS No.	Group	Initial emission or extraction	Unit	Characterisation factor MJ
coal hard (27.91 MJ/kg)	coal hard	fossil fuel	resources	kg	27,91
coal soft, lignite (13.96 MJ/kg)	coal soft	fossil fuel	resources	kg	13,96
natural gas (38.84 MJ/m ³)	8006-14-2	fossil fuel	resources	m ³	38,84
oil crude (41.87 MJ/kg)	8012-95-1	fossil fuel	resources	kg	41,87
NOTE Source of LCIA model: See Table C.8.					

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Table A.2 — Characterisation factors concerning abiotic depletion for non fossil resources

Substance	CAS No.	Group	Initial emission or extraction	Unit	Characterisation factor kg antimony eq.
aluminium (Al)	7429-90-5	element	resources	kg	1,09E-09
antimony (Sb)	7440-36-0	element	resources	kg	1,00E+00
arsenic (As)	7440-38-2	element	resources	kg	2,97E-03
barium (Ba)	7440-39-3	element	resources	kg	6,04E-06
beryllium (Be)	7440-41-7	element	resources	kg	1,26E-05
bismuth (Bi)	7440-69-9	element	resources	kg	4,11E-02
boron (B)	7440-42-8	element	resources	kg	4,27E-03
bromine (Br)	7726-95-6	element	resources	kg	4,39E-03
cadmium (Cd)	7440-43-9	element	resources	kg	1,57E-01
chlorine (Cl)	7782-50-5	element	resources	kg	2,71E-05
chromium (Cr)	7440-47-3	element	resources	kg	4,43E-04
cobalt (Co)	7440-48-4	element	resources	kg	1,57E-05
copper (Cu)	7440-50-8	element	resources	kg	1,37E-03
gallium (Ga)	7440-55-3	element	resources	kg	1,46E-07
germanium (Ge)	7440-56-4	element	resources	kg	6,52E-07
gold (Au)	7440-57-5	element	resources	kg	5,20E+01
indium (In)	7440-74-6	element	resources	kg	6,89E-03
iodine (I2)	7553-56-2	element	resources	kg	2,50E-02
iron (Fe)	7439-89-6	element	resources	kg	5,24E-08
kalium (K;potassium)	7440-09-7	element	resources	kg	1,60E-08
lead (Pb)	7439-92-1	element	resources	kg	6,34E-03
lithium (Li)	7439-93-2	element	resources	kg	1,15E-05
magnesium (Mg)	7439-95-4	element	resources	kg	2,02E-09
manganese (Mn)	7439-96-5	element	resources	kg	2,54E-06

mercury (Hg)	7439-97-6	element	resources	kg	9,22E-02
molybdenum (Mo)	7439-98-7	element	resources	kg	1,78E-02
nickel (Ni)	7440-02-0	element	resources	kg	6,53E-05
niobium (Nb)	7440-03-1	element	resources	kg	1,93E-05
palladium (Pd)	7440-05-3	element	resources	kg	5,71E-01
phosphorus (P)	7723-14-0	element	resources	kg	5,52E-06
platinum (Pt)	7440-06-4	element	resources	kg	2,22E+00
rhenium (Re)	7440-15-5	element	resources	kg	6,03E-01
selenium (Se)	7782-49-2	element	resources	kg	1,94E-01
silicium (Si; silicon)	7440-21-3	element	resources	kg	1,40E-11
silver (Ag)	7440-22-4	element	resources	kg	1,18E+00
Sodium (Na)	7440-23-5	element	resources	kg	5,50E-08
strontium (Sr)	7440-24-6	element	resources	kg	7,07E-07
sulfur (S)	7704-34-9	element	resources	kg	1,93E-04
tantalum (Ta)	7440-25-7	element	resources	kg	4,06E-05
tellurium (Te)	13494-80-9	element	resources	kg	4,07E+01
thallium (Tl)	7440-28-0	element	resources	kg	2,43E-05
tin (Sn)	7440-31-5	element	resources	kg	1,62E-02
titanium (Ti)	7440-32-6	element	resources	kg	2,79E-08
tungsten (W); wolfram	7440-33-7	element	resources	kg	4,52E-03
uranium (U)	7440-61-1	element	resources	kg	1,40E-03
vanadium (V)	7440-62-2	element	resources	kg	7,70E-07
yttrium (Y)	7440-65-5	element	resources	kg	5,69E-07
zinc (Zn)	7440-66-6	element	resources	kg	5,38E-04
Zirconium (Zr)	7440-67-7	element	resources	kg	5,44E-06
NOTE Source of LCIA model: See Table C.8.					

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Table A.3 — Characterisation factors concerning acidification potential of soil and water

Substance	CAS No.	Group	Initial emission or extraction	Unit	Characterisation factor kg SO ₂ eq.
ammonia	7664-41-7	inorganic	air	kg	1,60E+00
nitrogen dioxide	10102-44-0	inorganic	air	kg	5,00E-01
nitrogen mono oxide	10102-43-9	inorganic	air	kg	7,60E-01
nitrogen oxides (as NO ₂)	11104-93-1	inorganic	air	kg	5,00E-01
sulphur dioxide	7446-09-5	inorganic	air	kg	1,20E+00
NOTE Source of LCIA model: See Table C.8.					

Table A.4 — Characterisation factors concerning depletion potential of the stratospheric ozone layer

Substance	CAS No.	Group	Initial emission or extraction	Unit	Characterisation factor kg CFC-11 eq.
1,1,1-trichloroethane	71-55-6	halogenated nonaromatic	air	kg	1,2E-01
CFC-11	75-69-4	halogenated nonaromatic	air	kg	1,00E+00
CFC-113	76-13-1	halogenated nonaromatic	air	kg	1,00E+00
CFC-114	76-14-2	halogenated nonaromatic	air	kg	9,40E-01
CFC-115	76-15-3	halogenated nonaromatic	air	kg	4,40E-01
CFC-12	75-71-8	halogenated nonaromatic	air	kg	1,00E+00
HALON (HALON 2401)	124-72-1	halogenated nonaromatic	air	kg	2,50E-01
HBFC-1201	1511-62-2	halogenated nonaromatic	air	kg	1,40E+00
HALON-1202	75-61-6	halogenated nonaromatic	air	kg	1,30E+00
HALON-1211	353-59-3	halogenated	air	kg	6,00E+00