Environmental Data Sheet | Self-declaration

Self-declaration based on NSF International PCR for Portland, Blended, Masonry, Mortar, and Plastic (Stucco) Cements (version 3.1, dated September 2020)

SOG CEMENTO UG 2020

Manufacturer:	(US-FL)
Declared unit:	t
Product identification:	SOG CEMENTO UG 2020, 4616795
Production site(s):	PLANTA SOGAMOSO
Scope:	A1-A3, cradle-to-gate
Methodology:	GCCA's Industry EPD Tool for Cement and Concrete (V3.0), North American version
Date of issue:	2021-06-29 16:13
Comment:	This document is NOT a verified EPD but a self-declaration in EPD format. All information about goal and scope necessary for results interpretation by the EPD verifier are present in the latest version of the "LCA Model" report, available in GCCA's Industry EPD Tool. The tool does not include the input or calculation of the biogenic carbon content of the product or packaging. Yet, the PCR requires that the latter should be reported in an EPD. The latter are calculated as the quantity of biogenic carbon in the product (resp. in the packaging) per declared unit multiplied by 44/12, reported in kg CO2 per declared unit. The removals and emissions associated with biogenic carbon content of i) the product and ii) the packaging are not calculated and therefore not reported in the tool. The latter are not significant or even not relevant in the sector. The only limitation is the uptake of CO2 in A1-A3 (e.g. bio-based insulation materials in precast elements or bio-based packaging materials) and reemission in A5 (packaging end-of-life) or C3-C4 (product end-of-life). This does not affect the GWP-tot indicator. The GWP-GHG indicator is not calculated and therefore not reported in the present self-declaration. Given the statement above, the GWP-GHG indicator can be assimilated to the GWP-tot indicator. The tool does not calculate the 'Radioactive waste disposed' indicator, it is considered not to be significant for the sector.

Core environmental impact indicators	**GWP-tot** (Global warming potential) • **GWP-bio** (Global warming potential, biogenic) • **ODP** (Depletion potential of the stratospheric ozone layer) • **AP** (Acidification potential of soil and water sources) • **EP** (Eutrophication potential) • **POCP** (Photochemical oxidant creation potential) • **ADPE** (Abiotic depletion potential for non-fossil mineral resources) • **ADPF** (Abiotic depletion potential for fossil resources)
Additional environmental impact indicators	**PM** (Potential incidence of disease due to PM emissions) • **ETP** (Potential Comparative Toxic Unit for ecosystems) • **HTPC** (Potential Comparative Toxic Unit for humans - cancer) • **HTPNC** (Potential Comparative Toxic Unit for humans - non-cancer) • **SQP** (Potential soil quality index)
Parameters describing resource use	**PERE** (Use of renewable primary energy excluding renewable primary energy resources used as raw materials) • **PERM** (Use of renewable primary energy resources used as raw materials) • **PERT** (Total use of renewable primary energy resources) • **PENRE** (Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials) • **PENRM** (Use of non-renewable primary energy resources used as raw materials) • **PENRT** (Total use of non-renewable primary energy resources) • **SM** (Use of secondary materials) • **RSF** (Use of renewable secondary fuels) • **NRSF** (Use of non-renewable secondary fuels) • **NFW** (Net use of fresh water)
Waste categories	**HWD** (Hazardous waste disposed) • **NHWD** (Non-hazardous waste disposed) • **RWD** (Radioactive waste disposed)
Output flows	**CRU** (Components for re-use) • **MFR** (Materials for recycling) • **MER** (Materials for energy recovery) • **EE** (Exported energy)
Extra indicators	**CC** (Emissions from calcination and removals from carbonation) • **CWRS** (Emissions from combustion of waste from renewable sources used in production processes) • **CWNRS** (Emissions from combustion of waste from non-renewable sources used in production processes)

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Core environmental impact indicators

		A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
GWP-tot	kg CO_2 eq.	4.8E2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GWP-bio	kg CO_2 eq.	7.35E-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ODP	kg CFC 11 eq.	1.48E-5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AP	kg SO_2 eq.	1.61E0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EP	kg N eq.	1.53E0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
POCP	kg O_3 eq.	3.07E1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ADPE	kg Sb eq.	2.18E-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ADPF	MJ surplus	1.91E2	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Additional environmental impact indicators

		A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
PM	kg PM2.5 eq.	4.99E-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ETP	CTUe	2.58E1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HTPC	CTUh	2.38E3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HTPNC	CTUh	3.04E-5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SQP	dimensionless	1.28E3	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Parameters describing resource use

		A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
PERE	MJ, net calorific value	1.04E2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PERM	MJ, net calorific value	0E0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PERT	MJ, net calorific value	1.04E2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENRE	MJ, net calorific value	3.23E3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENRM	MJ, net calorific value	0E0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENRT	MJ, net calorific value	3.23E3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SM	kg	5.33E2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RSF	MJ, net calorific value	0E0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NRSF	MJ, net calorific value	0E0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NFW	m^3	7.33E-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Other environmental information describing waste categories

		A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
HWD	kg	1.95E-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NHWD	kg	1.89E0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RWD	kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Environmental information describing output flows

		A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
CRU	kg	0E0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MFR	kg	0E0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MER	kg	0E0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EE	MJ per energy carrier	0E0	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Extra indicators

		A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
CC	kg CO_2 eq.	1.94E2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CWRS	kg CO_2 eq.	0E0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CWNRS	kg CO_2 eq.	0E0	-	-	-	-	-	-	-	-	-	-	-	-	-	-