

This appendix refers to the EPD MD-23058-EN, developed according to EN15804+A2:2019. Results in the appendix communicates LCA results in the format described in EN15804+A1:2013, in order to accommodate a need in the transition period between the two standard revisions. The appendix cannot stand alone, as the reference EPD describes the basis of the assessment.

**Autoclaved aerated concrete thermos block D: 375**

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**Autoclaved aerated concrete thermos block D: 375, EN15804+A1**

ENVIRONMENTAL EFFECTS PER PRODUKT PER M <sup>2</sup>										
Parameter	Unit	A1-A3	A4	A5	B1	C1	C2	C3	C4	D
GWP	[kg CO2-eq.]	1,53E+02	3,19E+01	2,13E+00	0,00E+00	5,66E+00	2,24E+00	2,33E+01	1,24E-01	-1,02E+01
ODP	[kg CFC11-eq.]	1,02E-06	3,80E-12	3,83E-13	0,00E+00	4,99E-13	2,66E-13	3,75E-12	3,61E-13	-5,30E-11
AP	[kg SO2-eq.]	1,24E-01	2,68E-02	4,14E-04	0,00E+00	1,93E-02	1,88E-03	8,83E-03	7,37E-04	-9,23E-03
EP	[kg PO43--eq.]	3,67E-02	5,50E-03	8,68E-05	0,00E+00	4,63E-03	3,86E-04	1,99E-03	8,23E-05	-1,53E-03
POCP	[kg ethene-eq.]	1,37E-02	-4,58E-04	2,44E-05	0,00E+00	1,83E-03	-3,21E-05	5,08E-04	5,79E-05	-1,03E-03
ADPE	[kg Sb-eq.]	8,57E-05	3,31E-06	1,28E-08	0,00E+00	4,35E-07	2,33E-07	3,51E-07	1,35E-08	-9,59E-07
ADPF	[MJ]	8,07E+02	4,26E+02	1,13E+00	0,00E+00	5,59E+01	2,99E+01	4,04E+01	1,65E+00	-1,48E+02
Caption	GWP = Global warming potential; ODP = Ozone depletion potential; AP = Acidification potential of soil and water; EP = Eutrophication potential; POCP = Photochemical ozone creation potential; ADPE = Abiotic depletion potential for non-fossil resources; ADPF = Abiotic depletion potential for fossil resources									

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RESSOURCE CONSUMPTION PER PRODUKT PER M <sup>2</sup>										
Parameter	Unit	A1-A3	A4	A5	B1	C1	C2	C3	C4	D
PERE	[MJ]	1,88E+01	2,99E+01	1,96E-01	0,00E+00	3,92E+00	2,10E+00	3,88E+00	2,56E-01	-1,57E+01
PERM	[MJ]	2,07E+02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
PERT	[MJ]	1,92E+02	2,99E+01	1,96E-01	0,00E+00	3,92E+00	2,10E+00	3,88E+00	2,56E-01	-1,57E+01
PENRE	[MJ]	1,19E+03	4,33E+02	1,18E+00	0,00E+00	5,68E+01	3,04E+01	4,14E+01	1,71E+00	-1,88E+02
PENRM	[MJ]	1,74E+02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
PENRT	[MJ]	1,12E+03	4,33E+02	1,18E+00	0,00E+00	5,68E+01	3,04E+01	4,14E+01	1,71E+00	-1,88E+02
SM	[kg]	2,58E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
RSF	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
NRSF	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	[m <sup>3</sup> ]	5,59E+01	3,45E-02	5,17E-03	0,00E+00	4,53E-03	2,42E-03	5,12E-02	4,34E-04	-2,28E-02
Caption	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 material; RSF = Use of renewable secondary fuels; NRSF = Use of non-renewable secondary fuels; FW = Net use of fresh water									

**Autoclaved aerated concrete thermos block D: 375, EN15804+A1**

WASTE CATEGORIES AND OUTPUT FLOWS PER PRODUKT PER M <sup>2</sup>										
Parameter	Unit	A1-A3	A4	A5	B1	C1	C2	C3	C4	D
HWD	[kg]	2,92E-04	2,29E-09	6,13E-11	0,00E+00	3,01E-10	1,61E-10	7,30E-10	8,79E-11	-2,34E-08
NHWD	[kg]	1,06E+01	7,05E-02	2,24E-01	0,00E+00	9,26E-03	4,95E-03	4,33E-01	8,75E+00	-1,10E+01
RWD	[kg]	2,44E-02	8,03E-04	1,78E-05	0,00E+00	1,05E-04	5,64E-05	2,18E-04	1,90E-05	-1,55E-02
CRU	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
MFR	[kg]	0,00E+00	0,00E+00	5,94E+00	0,00E+00	0,00E+00	0,00E+00	2,83E+02	0,00E+00	0,00E+00
MER	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
EEE	[MJ]	2,68E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	8,75E+00	0,00E+00	0,00E+00
EET	[MJ]	6,18E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	8,75E+00	0,00E+00	0,00E+00
Caption	HWD = Hazardous waste disposed; NHWD = Non-hazardous waste disposed; RWD = Radioactive waste disposed; CRU = Components for re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EEE = Exported electrical energy; EET = Exported thermal energy									

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