

This appendix refers to the EPD MD-23057-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 wall D:575

Autoclaved aerated concrete wall D:575, EN15804+A1

ENVIRONMENTAL EFFECTS PER PRODUKT PER M ²										
Parameter	Unit	A1-A3	A4	A5	B1	C1	C2	C3	C4	D
GWP	[kg CO ₂ -eq.]	2,09E+02	6,26E+01	3,62E+00	0,00E+00	5,66E+00	4,44E+00	6,27E+00	2,53E-01	-2,59E+00
ODP	[kg CFC11-eq.]	2,10E-07	7,45E-12	7,66E-13	0,00E+00	4,99E-13	5,28E-13	6,32E-13	7,37E-13	-1,52E-11
AP	[kg SO ₂ -eq.]	1,24E-01	5,26E-02	7,44E-04	0,00E+00	1,93E-02	3,72E-03	9,94E-03	1,51E-03	-5,52E-03
EP	[kg PO ₄ -eq.]	1,85E-02	1,08E-02	1,56E-04	0,00E+00	4,63E-03	7,65E-04	2,28E-03	1,68E-04	-9,48E-04
POCP	[kg ethene-eq.]	9,36E-03	-8,99E-04	4,36E-05	0,00E+00	1,83E-03	-6,37E-05	5,09E-04	1,18E-04	-5,23E-04
ADPE	[kg Sb-eq.]	1,27E-05	6,51E-06	2,44E-08	0,00E+00	4,35E-07	4,61E-07	5,52E-07	2,76E-08	-3,39E-07
ADPF	[MJ]	1,07E+03	8,36E+02	2,23E+00	0,00E+00	5,59E+01	5,93E+01	7,10E+01	3,37E+00	-3,57E+01
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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RESOURCE CONSUMPTION PER PRODUKT PER M ²										
Parameter	Unit	A1-A3	A4	A5	B1	C1	C2	C3	C4	D
PERE	[MJ]	9,45E+01	5,87E+01	3,74E-01	0,00E+00	3,92E+00	4,16E+00	4,98E+00	5,24E-01	-7,21E+00
PERM	[MJ]	1,57E+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]	2,29E+02	5,87E+01	3,74E-01	0,00E+00	3,92E+00	4,16E+00	4,98E+00	5,24E-01	-7,21E+00
PENRE	[MJ]	1,13E+03	8,50E+02	2,41E+00	0,00E+00	5,68E+01	6,02E+01	7,21E+01	3,49E+00	-4,46E+01
PENRM	[MJ]	5,04E+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
PENRT	[MJ]	1,16E+03	8,50E+02	2,41E+00	0,00E+00	5,68E+01	6,02E+01	7,21E+01	3,49E+00	-4,46E+01
SM	[kg]	2,62E+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]	3,53E+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 ³]	1,18E+00	6,78E-02	8,73E-03	0,00E+00	4,53E-03	4,80E-03	5,75E-03	8,87E-04	-8,49E-03
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									

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WASTE CATEGORIES AND OUTPUT FLOWS PER PRODUKT PER M ²										
Parameter	Unit	A1-A3	A4	A5	B1	C1	C2	C3	C4	D
HWD	[kg]	1,14E-03	4,50E-09	1,21E-10	0,00E+00	3,01E-10	3,19E-10	3,81E-10	1,79E-10	-4,34E-09
NHWD	[kg]	1,43E+01	1,38E-01	4,34E-01	0,00E+00	9,26E-03	9,81E-03	1,17E-02	1,79E+01	-2,38E+01
RWD	[kg]	2,88E-02	1,58E-03	6,75E-05	0,00E+00	1,05E-04	1,12E-04	1,34E-04	3,89E-05	-3,44E-03
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]	1,10E+00	0,00E+00	1,18E+01	0,00E+00	0,00E+00	0,00E+00	5,77E+02	0,00E+00	0,00E+00
MER	[kg]	1,41E-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
EEE	[MJ]	1,27E+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
EET	[MJ]	3,00E+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
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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