

This appendix refers to the EPD MD-23056-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 block D:375
Autoclaved aerated concrete block D:375, 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.]	1,48E+02	4,10E+01	2,13E+00	0,00E+00	5,66E+00	2,89E+00	4,09E+00	1,65E-01	-1,50E+00
ODP	[kg CFC11-eq.]	3,64E-07	4,89E-12	3,85E-13	0,00E+00	4,99E-13	3,45E-13	4,12E-13	4,81E-13	-8,82E-12
AP	[kg SO ₂ -eq.]	1,07E-01	3,45E-02	4,24E-04	0,00E+00	1,93E-02	2,43E-03	6,48E-03	9,82E-04	-3,24E-03
EP	[kg PO ₄ --eq.]	1,52E-02	7,08E-03	8,82E-05	0,00E+00	4,63E-03	4,99E-04	1,48E-03	1,10E-04	-5,57E-04
POCP	[kg ethene-eq.]	7,83E-03	-5,89E-04	2,41E-05	0,00E+00	1,83E-03	-4,16E-05	3,32E-04	7,71E-05	-3,07E-04
ADPE	[kg Sb-eq.]	9,61E-06	4,27E-06	1,42E-08	0,00E+00	4,35E-07	3,01E-07	3,60E-07	1,80E-08	-1,97E-07
ADPF	[MJ]	7,29E+02	5,48E+02	1,32E+00	0,00E+00	5,59E+01	3,87E+01	4,63E+01	2,20E+00	-2,06E+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									

Autoclaved aerated concrete block D:375, EN15804+A1

RESSOURCE CONSUMPTION PER PRODUKT PER M ²										
Parameter	Unit	A1-A3	A4	A5	B1	C1	C2	C3	C4	D
PERE	[MJ]	1,60E+01	3,85E+01	2,09E-01	0,00E+00	3,92E+00	2,71E+00	3,25E+00	3,42E-01	-4,22E+00
PERM	[MJ]	1,48E+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]	1,64E+02	3,85E+01	2,09E-01	0,00E+00	3,92E+00	2,71E+00	3,25E+00	3,42E-01	-4,22E+00
PENRE	[MJ]	7,53E+02	5,57E+02	1,37E+00	0,00E+00	5,68E+01	3,93E+01	4,70E+01	2,28E+00	-2,57E+01
PENRM	[MJ]	4,23E+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]	7,95E+02	5,57E+02	1,37E+00	0,00E+00	5,68E+01	3,93E+01	4,70E+01	2,28E+00	-2,57E+01
SM	[kg]	4,69E+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 ³]	6,09E-01	4,44E-02	5,15E-03	0,00E+00	4,53E-03	3,13E-03	3,75E-03	5,78E-04	-4,95E-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									

Autoclaved aerated concrete block D:375, EN15804+A1

WASTE CATEGORIES AND OUTPUT FLOWS PER PRODUKT PER M ²										
Parameter	Unit	A1-A3	A4	A5	B1	C1	C2	C3	C4	D
HWD	[kg]	2,36E-04	2,95E-09	6,24E-11	0,00E+00	3,01E-10	2,08E-10	2,49E-10	1,17E-10	-2,48E-09
NHWD	[kg]	1,08E+01	9,07E-02	2,77E-01	0,00E+00	9,26E-03	6,40E-03	7,66E-03	1,17E+01	-1,41E+01
RWD	[kg]	2,49E-02	1,03E-03	1,81E-05	0,00E+00	1,05E-04	7,29E-05	8,73E-05	2,54E-05	-1,98E-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]	0,00E+00	0,00E+00	7,68E+00	0,00E+00	0,00E+00	0,00E+00	3,76E+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]	8,65E-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
EET	[MJ]	2,04E+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									

Autoclaved aerated concrete block D:535

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Autoclaved aerated concrete block D:535, 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.]	2,19E+02	5,82E+01	2,16E+00	0,00E+00	5,66E+00	4,13E+00	5,84E+00	2,35E-01	-1,88E+00
ODP	[kg CFC11-eq.]	2,69E-07	6,93E-12	3,93E-13	0,00E+00	4,99E-13	4,92E-13	5,88E-13	6,86E-13	-1,15E-11
AP	[kg SO ₂ -eq.]	1,28E-01	4,88E-02	4,55E-04	0,00E+00	1,93E-02	3,47E-03	9,25E-03	1,40E-03	-4,73E-03
EP	[kg PO ₄ -eq.]	1,93E-02	1,00E-02	9,39E-05	0,00E+00	4,63E-03	7,12E-04	2,12E-03	1,56E-04	-8,17E-04
POCP	[kg ethene-eq.]	9,80E-03	-8,36E-04	2,46E-05	0,00E+00	1,83E-03	-5,93E-05	4,74E-04	1,10E-04	-4,40E-04
ADPE	[kg Sb-eq.]	1,18E-05	6,05E-06	1,70E-08	0,00E+00	4,35E-07	4,29E-07	5,14E-07	2,56E-08	-2,68E-07
ADPF	[MJ]	1,03E+03	7,77E+02	1,67E+00	0,00E+00	5,59E+01	5,52E+01	6,60E+01	3,14E+00	-2,55E+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									

Autoclaved aerated concrete block D:535, EN15804+A1

RESSOURCE CONSUMPTION PER PRODUKT PER M ²										
Parameter	Unit	A1-A3	A4	A5	B1	C1	C2	C3	C4	D
PERE	[MJ]	4,76E+01	5,45E+01	2,36E-01	0,00E+00	3,92E+00	3,87E+00	4,63E+00	4,87E-01	-5,98E+00
PERM	[MJ]	1,56E+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]	2,03E+02	5,45E+01	2,36E-01	0,00E+00	3,92E+00	3,87E+00	4,63E+00	4,87E-01	-5,98E+00
PENRE	[MJ]	1,07E+03	7,90E+02	1,74E+00	0,00E+00	5,68E+01	5,60E+01	6,71E+01	3,25E+00	-3,17E+01
PENRM	[MJ]	4,09E+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]	1,11E+03	7,90E+02	1,74E+00	0,00E+00	5,68E+01	5,60E+01	6,71E+01	3,25E+00	-3,17E+01
SM	[kg]	1,86E+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 ³]	6,41E-01	6,30E-02	5,19E-03	0,00E+00	4,53E-03	4,47E-03	5,35E-03	8,25E-04	-6,79E-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									

Autoclaved aerated concrete block D:535, EN15804+A1

WASTE CATEGORIES AND OUTPUT FLOWS PER PRODUKT PER M ²										
Parameter	Unit	A1-A3	A4	A5	B1	C1	C2	C3	C4	D
HWD	[kg]	1,41E-07	4,18E-09	6,53E-11	0,00E+00	3,01E-10	2,96E-10	3,55E-10	1,67E-10	-2,80E-09
NHWD	[kg]	1,06E+01	1,29E-01	3,79E-01	0,00E+00	9,26E-03	9,13E-03	1,09E-02	1,66E+01	-2,21E+01
RWD	[kg]	3,05E-02	1,47E-03	1,90E-05	0,00E+00	1,05E-04	1,04E-04	1,25E-04	3,62E-05	-2,39E-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]	0,00E+00	0,00E+00	1,10E+01	0,00E+00	0,00E+00	0,00E+00	5,37E+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]	1,18E+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]	2,80E+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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