

This appendix refers to the EPD MD-23014-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.

ENVIRONMENTAL IMPACTS PER M ³							
Parameter	Unit	A1-A3	C1	C2	C3	C4	D
GWP	[kg CO ₂ -eq.]	-4,69E+02	0,00E+00	2,48E+00	7,50E+02	0,00E+00	-3,54E+02
ODP	[kg CFC11-eq.]	7,55E-06	0,00E+00	1,77E-13	7,32E-11	0,00E+00	-1,57E-09
AP	[kg SO ₂ -eq.]	8,58E-01	0,00E+00	5,60E-03	9,15E-02	0,00E+00	-1,99E-01
EP	[kg PO ₄ ³⁻ -eq.]	1,45E-01	0,00E+00	1,36E-03	1,77E-02	0,00E+00	-4,12E-02
POCP	[kg ethene-eq.]	2,96E-01	0,00E+00	-2,02E-03	5,99E-03	0,00E+00	-2,48E-02
ADPE	[kg Sb-eq.]	4,43E-04	0,00E+00	2,10E-07	1,93E-06	0,00E+00	-4,14E-05
ADPF	[MJ]	4,50E+03	0,00E+00	3,33E+01	1,44E+02	0,00E+00	-5,39E+03
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						
	The numbers are declared in scientific notation, fx 1,95E+02. This number can also be written as: 1,95*10 ² or 195, while 1,12E-11 is the same as 1,12*10 ⁻¹¹ or 0,0000000000112.						

RESOURCE USE PER M ³							
Parameter	Unit	A1-A3	C1	C2	C3	C4	D
PERE	[MJ]	6,26E+03	0,00E+00	1,91E+00	6,63E+01	0,00E+00	-1,93E+03
PERM	[MJ]	7,48E+03	0,00E+00	0,00E+00	-7,48E+03	0,00E+00	0,00E+00
PERT	[MJ]	1,37E+04	0,00E+00	1,91E+00	-7,41E+03	0,00E+00	-1,93E+03
PENRE	[MJ]	4,52E+03	0,00E+00	3,36E+01	1,53E+02	0,00E+00	-5,59E+03
PENRM	[MJ]	2,91E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
PENRT	[MJ]	4,55E+03	0,00E+00	3,36E+01	1,53E+02	0,00E+00	-5,59E+03
SM	[kg]	2,66E-01	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
NRSF	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	[m ³]	1,16E+00	0,00E+00	2,16E-03	1,78E+00	0,00E+00	-6,89E-01
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 = Use of net fresh water						
	The numbers are declared in scientific notation, fx 1,95E+02. This number can also be written as: 1,95*10 ² or 195, while 1,12E-11 is the same as 1,12*10 ⁻¹¹ or 0,0000000000112.						

WASTE CATEGORIES AND OUTPUT FLOWS PER M ³							
Parameter	Unit	A1-A3	C1	C2	C3	C4	D
HWD	[kg]	5,76E-02	5,76E-02	3,71E-09	2,16E-07	0,00E+00	1,61E-10
NHWD	[kg]	9,67E+00	8,86E+00	1,10E-01	7,04E-01	0,00E+00	4,82E-03
RWD	[kg]	4,38E-03	2,78E-03	9,58E-04	6,46E-04	0,00E+00	4,14E-05
CRU	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
MFR	[kg]	1,99E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
MER	[kg]	9,84E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
EEE	[MJ]	0,00E+00	0,00E+00	0,00E+00	1,03E+03	0,00E+00	0,00E+00
EET	[MJ]	1,13E+01	0,00E+00	0,00E+00	4,56E+03	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						
	The numbers are declared in scientific notation, fx 1,95E+02. This number can also be written as: 1,95*10 ² or 195, while 1,12E-11 is the same as 1,12*10 ⁻¹¹ or 0,0000000000112.						

Checked and approved by



Ninkie Bendtsen
Third party verifier of MD-23014-EN



Martha Katrine Sørensen
EPD Danmark