

This appendix refers to the EPD MD-23180-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 ²							
Parameter	Unit	A1-A3	C1	C2	C3	C4	D
GWP	[kg CO ₂ -eq.]	6,62E+00	8,63E-02	7,21E-02	2,32E+00	0,00E+00	-1,83E+00
ODP	[kg CFC11-eq.]	1,62E-07	1,48E-09	1,29E-09	7,79E-08	0,00E+00	-1,02E-07
AP	[kg SO ₂ -eq.]	2,39E-02	7,04E-04	1,35E-04	1,94E-03	0,00E+00	-3,08E-03
EP	[kg PO ₄ ³⁻ -eq.]	1,48E-02	1,33E-04	3,21E-05	1,87E-03	0,00E+00	-1,91E-03
POCP	[kg ethene-eq.]	2,62E-03	1,60E-05	1,05E-05	8,24E-05	0,00E+00	-1,88E-04
ADPE	[kg Sb-eq.]	3,89E-05	3,83E-08	2,36E-07	1,59E-06	0,00E+00	-1,29E-05
ADPF	[MJ]	1,05E+02	1,92E+00	1,60E+00	5,79E+00	0,00E+00	-2,75E+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						
	The numbers are declared in scientific notation, e.g., 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 ²							
Parameter	Unit	A1-A3	C1	C2	C3	C4	D
PERE	[MJ]	4,22E+00	1,21E-01	9,65E-01	8,17E-03	1,22E-02	2,16E-01
PERM	[MJ]	8,57E+01	3,94E-02	1,55E+00	1,96E-03	3,96E-03	5,45E-02
PERT	[MJ]	8,99E+01	1,61E-01	2,52E+00	1,01E-02	1,61E-02	2,71E-01
PENRE	[MJ]	0,00E+00	5,97E+00	0,00E+00	8,15E-01	6,00E-01	0,00E+00
PENRM	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
PENRT	[MJ]	0,00E+00	5,97E+00	0,00E+00	8,15E-01	6,00E-01	0,00E+00
SM	[kg]	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
NRSF	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	[m ³]	6,09E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
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, e.g., 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 ²							
Parameter	Unit	A1-A3	C1	C2	C3	C4	D
HWD	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
NHWD	[kg]	0,00E+00	0,00E+00	1,88E-01	0,00E+00	0,00E+00	3,43E+00
RWD	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
CRU	[kg]	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	0,00E+00	0,00E+00	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
EEE	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
EET	[MJ]	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						
	The numbers are declared in scientific notation, e.g., 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

Guangli Du
Third party verifier of MD-23180-EN

Martha Katrine Sørensen
EPD Danmark