

This appendix refers to the EPD MD-23200-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	A4	A5	B1-B7	C1	C2	C3	C4	D
GWP	[kg CO ₂ -eq.]	1,05E+03	3,01E+01	7,12E+02	-2,49E+00	7,84E-01	9,61E+00	7,45E+00	-3,69E+00	-1,12E+02
ODP	[kg CFC11-eq.]	1,98E-07	4,07E-12	1,02E-05	0,00E+00	4,10E-13	1,30E-12	2,18E-10	4,14E-12	3,47E-10
AP	[kg SO ₂ -eq.]	1,59E+00	2,55E-02	1,58E+00	0,00E+00	2,74E-03	9,08E-03	1,01E-02	7,79E-03	-2,17E-01
EP	[kg PO ₄ ³⁻ -eq.]	2,55E-01	4,39E-03	1,76E-01	0,00E+00	4,76E-04	1,64E-03	2,18E-03	8,84E-04	-2,23E-02
POCP	[kg ethene-eq.]	2,12E-01	-1,58E-03	2,76E-01	0,00E+00	3,71E-04	-9,05E-04	9,49E-04	5,87E-04	-3,16E-02
ADPE	[kg Sb-eq.]	3,36E-04	3,67E-07	7,75E-03	0,00E+00	3,69E-08	1,17E-07	1,31E-06	6,50E-08	-1,88E-06
ADPF	[kg Sb-eq.]	7,00E+03	4,14E+02	8,38E+03	0,00E+00	4,17E+01	1,32E+02	9,84E+01	1,76E+01	-8,95E+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									
	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	A4	A5	B1-B7	C1	C2	C3	C4	D
PERE	[MJ]	3,36E+03	2,71E+00	2,96E+02	0,00E+00	2,73E-01	8,67E-01	8,96E+01	3,00E+00	1,14E+02
PERM	[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
PERT	[MJ]	3,36E+03	2,71E+00	2,96E+02	0,00E+00	2,73E-01	8,67E-01	8,96E+01	3,00E+00	1,14E+02
PENRE	[MJ]	8,60E+03	4,22E+02	8,61E+03	0,00E+00	4,25E+01	1,35E+02	1,25E+02	1,84E+01	-8,89E+02
PENRM	[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
PENRT	[MJ]	8,60E+03	4,22E+02	8,61E+03	0,00E+00	4,25E+01	1,35E+02	1,25E+02	1,84E+01	-8,89E+02
SM	[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
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]	2,54E+00	3,16E-03	-1,11E+00	0,00E+00	3,18E-04	1,01E-03	3,16E-02	4,65E-03	-9,14E-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 = Use of net fresh water									
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WASTE CATEGORIES AND OUTPUT FLOWS PER [m ³]										
Parameter	Unit	A1-A3	A4	A5	B1-B7	C1	C2	C3	C4	D
HWD	[kg]	6,44E-02	7,77E-10	9,53E-05	0,00E+00	7,82E-11	2,48E-10	-1,85E-08	4,00E-10	-5,62E-09
NHWD	[kg]	9,56E+01	4,20E-02	1,39E+01	0,00E+00	4,23E-03	1,34E-02	9,02E-02	9,20E+01	-9,55E+01
RWD	[kg]	5,35E-01	7,03E-04	1,38E-02	0,00E+00	7,08E-05	2,25E-04	9,33E-03	2,10E-04	9,62E-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	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	2,52E+03	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]	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
EET	[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
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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Checked and approved by



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Third party verifier of MD-23200-EN



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