

This appendix refers to the EPD MD-22038-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(I*)	C3(I*)	C4	D(I*)	C2(R*)	C3(R*)	D(R*)
GWP	[kg CO ₂ -eq.]	-5,59E+02	0,00E+00	2,51E+00	6,90E+02	0,00E+00	-3,52E+02	3,76E+00	6,82E+02	-7,23E+02
ODP	[kg CFC11-eq.]	1,06E-05	0,00E+00	4,35E-16	1,44E-13	0,00E+00	-3,11E-12	4,35E-16	1,44E-13	-3,11E-12
AP	[kg SO ₂ -eq.]	5,48E-01	0,00E+00	5,66E-03	9,29E-02	0,00E+00	-2,02E-01	5,66E-03	9,29E-02	-2,02E-01
EP	[kg PO ₄ ³⁻ -eq.]	1,46E-01	0,00E+00	1,37E-03	1,80E-02	0,00E+00	-4,21E-02	1,37E-03	1,80E-02	-4,21E-02
POCP	[kg ethene-eq.]	2,40E-01	0,00E+00	-2,05E-03	6,12E-03	0,00E+00	-2,67E-02	-2,05E-03	6,12E-03	-2,67E-02
ADPE	[kg Sb-eq.]	1,62E-03	0,00E+00	1,95E-07	1,70E-06	0,00E+00	-3,76E-05	1,95E-07	1,70E-06	-3,76E-05
ADPF	[MJ]	2,05E+03	0,00E+00	3,38E+01	1,47E+02	0,00E+00	-5,45E+03	3,38E+01	1,47E+02	-5,45E+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 0,00000000000112.									

* I=incineration at EOL, R=recycling at EOL

RESOURCE USE PER M ³										
Parameter	Unit	A1-A3	C1	C2(I*)	C3(I*)	C4	D(I*)	C2(R*)	C3(R*)	D(R*)
PERE	[MJ]	1,44E+04	0,00E+00	1,90E+00	5,96E+01	0,00E+00	-1,74E+03	2,84E+00	5,14E+01	-4,44E+03
PERM	[MJ]	7,31E+03	0,00E+00	0,00E+00	-7,31E+03	0,00E+00	0,00E+00	0,00E+00	-7,31E+03	7,31E+03
PERT	[MJ]	2,17E+04	0,00E+00	1,90E+00	-7,25E+03	0,00E+00	-1,74E+03	2,84E+00	-7,26E+01	2,87E+03
PENRE	[MJ]	2,16E+03	0,00E+00	3,40E+01	1,56E+02	0,00E+00	-5,64E+03	5,10E+01	2,55E+01	-6,60E+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]	2,16E+03	0,00E+00	3,40E+01	1,56E+02	0,00E+00	-5,64E+03	5,10E+01	2,55E+01	-6,61E+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]	1,70E+00	0,00E+00	2,17E-03	1,80E+00	0,00E+00	-7,23E-01	3,26E-03	2,12E-02	-2,45E-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									
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WASTE CATEGORIES AND OUTPUT FLOWS PER M ³										
Parameter	Unit	A1-A3	C1	C2(I*)	C3(I*)	C4	D(I*)	C2(R*)	C3(R*)	D(R*)
HWD	[kg]	1,15E-01	0,00E+00	1,71E-09	6,36E-08	0,00E+00	-2,11E-06	2,57E-09	5,16E-08	-1,71E-09
NHWD	[kg]	2,93E+01	0,00E+00	5,05E-03	1,01E+01	0,00E+00	-4,11E+00	7,58E-03	4,30E+02	-5,05E-03
RWD	[kg]	3,26E-02	0,00E+00	4,12E-05	3,44E-03	0,00E+00	-7,74E-02	6,17E-05	2,28E-03	-4,12E-05
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]	4,12E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	4,30E+02	0,00E+00	0,00E+00
MER	[kg]	2,75E+00	0,00E+00	0,00E+00	4,30E+02	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]	3,54E+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
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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