

This appendix refers to the EPD MD-24012-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 KG												
Parameter	Unit	A1	A2	A3	A4	A5	B1-B7	C1	C2	C3	C4	D
GWP	[kg CO ₂ -eq.]	5,05E-02	6,01E-03	2,41E-01	MND	MND	MND	MND	MND	MND	MND	MND
ODP	[kg CFC11-eq.]	2,89E-09	1,04E-18	5,09E-15	MND	MND	MND	MND	MND	MND	MND	MND
AP	[kg SO ₂ -eq.]	2,17E-04	1,36E-05	3,48E-04	MND	MND	MND	MND	MND	MND	MND	MND
EP	[kg PO ₄ ³⁻ -eq.]	1,98E-04	3,29E-06	9,77E-05	MND	MND	MND	MND	MND	MND	MND	MND
POCP	[kg ethene-eq.]	7,69E-05	-4,90E-06	-7,20E-05	MND	MND	MND	MND	MND	MND	MND	MND
ADPE	[kg Sb-eq.]	3,95E-07	4,66E-10	4,82E-08	MND	MND	MND	MND	MND	MND	MND	MND
ADPF	[MJ]	1,05E+00	8,10E-02	1,95E+00	MND	MND	MND	MND	MND	MND	MND	MND
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 KG												
Parameter	Unit	A1	A2	A3	A4	A5	B1-B7	C1	C2	C3	C4	D
PERE	[MJ]	1,09E+00	4,54E-03	8,50E-01	MND	MND	MND	MND	MND	MND	MND	MND
PERM	[MJ]	1,71E-01	0,00E+00	0,00E+00	MND	MND	MND	MND	MND	MND	MND	MND
PERT	[MJ]	1,26E+00	4,54E-03	8,50E-01	MND	MND	MND	MND	MND	MND	MND	MND
PENRE	[MJ]	1,09E+00	8,15E-02	3,45E+00	MND	MND	MND	MND	MND	MND	MND	MND
PENRM	[MJ]	0,00E+00	0,00E+00	0,00E+00	MND	MND	MND	MND	MND	MND	MND	MND
PENRT	[MJ]	1,24E+00	8,15E-02	3,45E+00	MND	MND	MND	MND	MND	MND	MND	MND
SM	[kg]	5,32E-01	0,00E+00	0,00E+00	MND	MND	MND	MND	MND	MND	MND	MND
RSF	[MJ]	0,00E+00	0,00E+00	0,00E+00	MND	MND	MND	MND	MND	MND	MND	MND
NRSF	[MJ]	0,00E+00	0,00E+00	0,00E+00	MND	MND	MND	MND	MND	MND	MND	MND
FW	[m ³]	5,68E-04	5,20E-06	1,52E-03	MND	MND	MND	MND	MND	MND	MND	MND
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 KG												
Parameter	Unit	A1	A2	A3	A4	A5	B1-B7	C1	C2	C3	C4	D
HWD	[kg]	1,66E-05	4,11E-12	8,28E-10	MND	MND	MND	MND	MND	MND	MND	MND
NHWD	[kg]	2,20E-04	1,21E-05	1,07E-01	MND	MND	MND	MND	MND	MND	MND	MND
RWD	[kg]	1,06E-05	9,86E-08	5,90E-04	MND	MND	MND	MND	MND	MND	MND	MND
CRU	[kg]	0,00E+00	0,00E+00	0,00E+00	MND	MND	MND	MND	MND	MND	MND	MND
MFR	[kg]	0,00E+00	0,00E+00	0,00E+00	MND	MND	MND	MND	MND	MND	MND	MND
MER	[kg]	0,00E+00	0,00E+00	0,00E+00	MND	MND	MND	MND	MND	MND	MND	MND
EEE	[MJ]	0,00E+00	0,00E+00	0,00E+00	MND	MND	MND	MND	MND	MND	MND	MND
EET	[MJ]	0,00E+00	0,00E+00	0,00E+00	MND	MND	MND	MND	MND	MND	MND	MND
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

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