

This appendix refers to the EPD >MD-20010-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 1 KG																
Parameter	Unit	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
GWP	[kg CO ₂ -eq.]	1,86E+00	8,34E-02	4,69E-02	MNR	MNR	MNR	MNR	MNR	MNR	MNR	7,70E-06	8,32E-03	2,47E-04	0,00	2,13E-02
ODP	[kg CFC11-eq.]	9,97E-10	2,08E-17	8,92E-18	MNR	MNR	MNR	MNR	MNR	MNR	MNR	2,30E-19	2,07E-18	7,38E-18	0,00	-1,91E-09
AP	[kg SO ₂ -eq.]	3,25E-03	7,66E-05	5,19E-06	MNR	MNR	MNR	MNR	MNR	MNR	MNR	1,41E-08	7,64E-06	4,51E-07	0,00	-1,26E-04
EP	[kg PO ₄ ³⁻ -eq.]	4,42E-04	1,46E-05	1,09E-06	MNR	MNR	MNR	MNR	MNR	MNR	MNR	1,72E-09	1,45E-06	5,52E-08	0,00	-5,52E-06
POCP	[kg ethene-eq.]	6,24E-04	-2,58E-06	4,15E-07	MNR	MNR	MNR	MNR	MNR	MNR	MNR	1,15E-09	-2,58E-07	3,69E-08	0,00	-7,00E-06
ADPE	[kg Sb-eq.]	7,49E-07	6,89E-09	1,09E-10	MNR	MNR	MNR	MNR	MNR	MNR	MNR	2,40E-12	6,87E-10	7,70E-11	0,00	-4,28E-09
ADPF	[MJ]	6,99E+01	1,13E+00	9,80E-03	MNR	MNR	MNR	MNR	MNR	MNR	MNR	8,45E-05	1,12E-01	2,71E-03	0,00	-2,28E-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															

RESOURCE USE PER 1 KG																
Parameter	Unit	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
PERE	[MJ]	4.74E+00	6,56E-02	2,13E-03	MNR	MNR	MNR	MNR	MNR	MNR	MNR	6,12E-05	6,54E-03	1,96E-03	0,00	-3,32E-02
PERM	[MJ]	7.81E-01	0,00	0,00	MNR	MNR	MNR	MNR	MNR	MNR	MNR	0,00	0,00	0,00	0,00	0,00
PERT	[MJ]	5.52E+00	6,56E-02	2,13E-03	MNR	MNR	MNR	MNR	MNR	MNR	MNR	6,12E-05	6,54E-03	1,96E-03	0,00	-3,32E-02
PENRE	[MJ]	7.78E+01	1,14E+00	1,14E-02	MNR	MNR	MNR	MNR	MNR	MNR	MNR	1,38E-04	1,14E-01	4,42E-03	0,00	-3,12E-01
PENRM	[MJ]	4.32E+01	0,00	0,00	MNR	MNR	MNR	MNR	MNR	MNR	MNR	0,00	0,00	0,00	0,00	0,00
PENRT	[MJ]	1.21E+02	1,14E+00	1,14E-02	MNR	MNR	MNR	MNR	MNR	MNR	MNR	1,38E-04	1,14E-01	4,42E-03	0,00	-3,12E-01
SM	[kg]	1,98E-02	0,00	0,00	MNR	MNR	MNR	MNR	MNR	MNR	MNR	0,00	0,00	0,00	0,00	0,00
RSF	[MJ]	0,00	0,00	4,83E-01	MNR	MNR	MNR	MNR	MNR	MNR	MNR	0,00	0,00	0,00	0,00	0,00
NRSF	[MJ]	0,00	0,00	0,00	MNR	MNR	MNR	MNR	MNR	MNR	MNR	0,00	0,00	0,00	0,00	0,00
FW	[m ³]	1,15E-02	7,64E-05	1,18E-04	MNR	MNR	MNR	MNR	MNR	MNR	MNR	7,07E-08	7,62E-06	2,27E-06	0,00	7,76E-05
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															

WASTE CATEGORIES AND OUTPUT FLOWS PER 1 KG																
Parameter	Unit	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
HWD	[kg]	3,09E-08	5,27E-08	1,31E-11	MNR	MNR	MNR	MNR	MNR	MNR	MNR	5,71E-14	5,25E-09	1,83E-12	0,00	-4,02E-10
NHWD	[kg]	2,11E-02	1,81E-04	8,03E-04	MNR	MNR	MNR	MNR	MNR	MNR	MNR	9,79E-08	1,80E-05	3,14E-06	0,00	-2,92E-02
RWD	[kg]	3,08E-03	2,10E-06	6,21E-07	MNR	MNR	MNR	MNR	MNR	MNR	MNR	2,09E-08	2,09E-07	6,71E-07	0,00	-2,52E-05
CRU	[kg]	0,00	0,00	0,00	MNR	MNR	MNR	MNR	MNR	MNR	MNR	0,00	0,00	0,00	0,00	0,00
MFR	[kg]	0,00	0,00	0,00	MNR	MNR	MNR	MNR	MNR	MNR	MNR	1,00E+00	0,00	0,00	0,00	0,00
MER	[kg]	0,00	0,00	2,65E-02	MNR	MNR	MNR	MNR	MNR	MNR	MNR	0,00	0,00	0,00	0,00	0,00
EEE	[MJ]	0,00	0,00	0,00	MNR	MNR	MNR	MNR	MNR	MNR	MNR	0,00	0,00	0,00	0,00	0,00
EET	[MJ]	0,00	0,00	0,00	MNR	MNR	MNR	MNR	MNR	MNR	MNR	0,00	0,00	0,00	0,00	0,00
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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