

This appendix refers to the EPD MD-22039-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	A2	A3	C1	C2	C3	C4	D
GWP	[kg CO ₂ -eq.]	3,36E+01	1,73E+00	8,00E+00	0,00E+00	5,17E-02	1,89E+01	1,02E+00	-1,72E+01
ODP	[kg CFC11-eq.]	3,01E-06	2,79E-16	4,44E-08	0,00E+00	8,97E-18	5,13E-09	1,70E-15	-1,53E-12
AP	[kg SO ₂ -eq.]	3,22E-01	2,12E-02	1,63E-02	0,00E+00	1,17E-04	5,52E-03	1,61E-03	-4,74E-02
EP	[kg PO ₄ ³⁻ -eq.]	6,52E-02	2,68E-03	4,15E-03	0,00E+00	2,83E-05	1,42E-03	2,58E-04	-5,46E-03
POCP	[kg ethene-eq.]	2,10E-02	1,14E-04	1,80E-03	0,00E+00	-4,23E-05	3,43E-04	2,49E-04	2,31E-03
ADPE	[kg Sb-eq.]	9,01E-04	1,05E-07	4,33E-06	0,00E+00	4,02E-09	2,17E-07	2,86E-08	-6,70E-05
ADPF	[MJ]	6,46E+02	2,25E+01	8,89E+01	0,00E+00	6,98E-01	4,94E+00	4,16E+00	-2,39E+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 ²									
Parameter	Unit	A1	A2	A3	C1	C2	C3	C4	D
PERE	[MJ]	7,93E+01	8,59E-01	7,61E+01	0,00E+00	3,92E-02	1,09E+02	4,96E-01	-6,25E+01
PERM	[MJ]	1,37E+02	0,00E+00	1,75E+01	0,00E+00	0,00E+00	-1,08E+02	0,00E+00	0,00E+00
PERT	[MJ]	2,16E+02	8,59E-01	9,38E+01	0,00E+00	3,92E-02	1,31E+00	4,96E-01	-6,25E+01
PENRE	[MJ]	7,10E+02	2,27E+01	9,53E+01	0,00E+00	7,02E-01	3,10E+01	4,28E+00	-2,54E+02
PENRM	[MJ]	2,81E+01	0,00E+00	1,90E+00	0,00E+00	0,00E+00	-2,57E+01	0,00E+00	0,00E+00
PENRT	[MJ]	7,34E+02	2,27E+01	9,72E+01	0,00E+00	7,02E-01	5,27E+00	4,28E+00	-2,54E+02
SM	[kg]	6,48E-03	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
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
FW	[m ³]	3,84E-01	9,96E-04	4,73E-02	0,00E+00	4,48E-05	4,17E-02	9,17E-04	-8,86E-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								
	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 M ²									
Parameter	Unit	A1	A2	A3	C1	C2	C3	C4	D
HWD	[kg]	2,86E-03	8,13E-10	6,74E-08	0,00E+00	3,54E-11	3,53E-09	5,65E-10	-1,96E-07
NHWD	[kg]	2,08E+00	3,00E-03	2,85E-01	0,00E+00	1,04E-04	1,65E+01	1,60E+01	-1,57E+00
RWD	[kg]	5,63E-03	2,67E-05	2,65E-03	0,00E+00	8,49E-07	7,53E-05	3,95E-05	-5,19E-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
MFR	[kg]	4,76E-02	0,00E+00	3,79E-01	0,00E+00	0,00E+00	7,99E+00	0,00E+00	0,00E+00
MER	[kg]	2,44E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
EEE	[MJ]	1,92E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	2,03E+00	0,00E+00	0,00E+00
EET	[MJ]	3,50E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	7,31E+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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