

This appendix refers to the EPD MD-23055-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 M <sup>2</sup> OF PARTITION									
Parameter	Unit	A1-A3	A4	A5	C1	C2	C3	C4	D
GWP	[kg CO <sub>2</sub> -eq.]	-8,07E-01	1,57E-01	1,30E+00	0,00E+00	3,51E+00	2,36E+00	1,73E-02	-1,23E+01
ODP	[kg CFC11-eq.]	2,31E-07	2,93E-09	2,45E-08	0,00E+00	4,43E-08	6,28E-09	3,81E-10	-3,82E-07
AP	[kg SO <sub>2</sub> -eq.]	4,45E-02	3,10E-04	2,43E-03	0,00E+00	1,39E-02	2,34E-03	9,63E-05	-3,67E-02
EP	[kg PO <sub>4</sub> <sup>3-</sup> -eq.]	2,05E-02	7,83E-05	7,30E-04	0,00E+00	3,14E-03	2,25E-03	2,31E-05	-1,49E-02
POCP	[kg ethene-eq.]	3,84E-03	2,39E-05	2,08E-04	0,00E+00	6,03E-04	1,20E-04	4,79E-06	-2,21E-03
ADPE	[kg Sb-eq.]	5,23E-05	3,17E-07	3,13E-06	0,00E+00	1,75E-06	1,98E-06	2,70E-08	-1,94E-05
ADPF	[MJ]	1,64E+02	2,34E+00	1,71E+01	0,00E+00	4,56E+01	3,39E+00	4,04E-01	-1,52E+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 <sup>2</sup> or 195, while 1,12E-11 is the same as 1,12*10 <sup>-11</sup> or 0,0000000000112.								

RESOURCE USE PER 1 M <sup>2</sup> OF PARTITION									
Parameter	Unit	A1-A3	A4	A5	C1	C2	C3	C4	D
PERE	[MJ]	3,87E+02	3,50E-02	3,01E-01	0,00E+00	1,81E-01	4,74E-01	4,15E-03	-1,44E+01
PERM	[MJ]	1,99E+02	0,00E+00	-2,04E+01	0,00E+00	0,00E+00	-1,79E+02	0,00E+00	0,00E+00
PERT	[MJ]	5,86E+02	3,50E-02	-2,00E+01	0,00E+00	1,81E-01	-1,78E+02	4,15E-03	-1,44E+01
PENRE	[MJ]	1,88E+02	2,39E+00	1,08E+01	0,00E+00	4,58E+01	4,44E+00	4,09E-01	-1,79E+02
PENRM	[MJ]	1,28E+01	0,00E+00	-2,06E+00	0,00E+00	0,00E+00	-1,07E+01	0,00E+00	0,00E+00
PENRT	[MJ]	2,01E+02	2,39E+00	8,73E+00	0,00E+00	4,58E+01	-6,28E+00	4,09E-01	-1,79E+02
SM	[kg]	2,00E+01	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 <sup>3</sup> ]	1,27E-01	2,64E-04	6,96E-03	0,00E+00	1,86E-03	8,18E-03	5,80E-04	-2,36E-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								
	The numbers are declared in scientific notation, fx 1,95E+02. This number can also be written as: 1,95*10 <sup>2</sup> or 195, while 1,12E-11 is the same as 1,12*10 <sup>-11</sup> or 0,0000000000112.								

WASTE CATEGORIES AND OUTPUT FLOWS PER 1 M <sup>2</sup> OF PARTITION									
Parameter	Unit	A1-A3	A4	A5	C1	C2	C3	C4	D
HWD	[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
NHWD	[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
RWD	[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
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]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	1,90E+01	0,00E+00	0,00E+00
MER	[kg]	0,00E+00	0,00E+00	3,66E-01	0,00E+00	0,00E+00	8,83E+00	0,00E+00	0,00E+00
EEE	[MJ]	0,00E+00	0,00E+00	3,38E+00	0,00E+00	0,00E+00	2,79E+01	0,00E+00	0,00E+00
EET	[MJ]	0,00E+00	0,00E+00	6,83E+00	0,00E+00	0,00E+00	1,12E+02	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-23055-EN\_rev1



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