

This appendix refers to the EPD MD-22041-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.]	8,59E+01	1,48E+00	2,02E+00	0,00E+00	2,02E-01	9,60E+00	4,70E-01	-2,27E+01
ODP	[kg CFC11-eq.]	3,06E-06	2,56E-16	1,32E-08	0,00E+00	3,50E-17	5,26E-09	7,29E-15	-6,29E-10
AP	[kg SO ₂ -eq.]	3,64E-01	3,33E-03	6,30E-03	0,00E+00	4,57E-04	3,00E-03	2,05E-03	-5,97E-02
EP	[kg PO ₄ ³⁻ -eq.]	7,45E-02	8,09E-04	1,60E-03	0,00E+00	1,11E-04	5,98E-04	6,57E-04	-7,07E-03
POCP	[kg ethene-eq.]	3,12E-02	-1,21E-03	7,35E-04	0,00E+00	-1,65E-04	3,73E-04	1,06E-04	-9,59E-04
ADPE	[kg Sb-eq.]	1,18E-03	1,14E-07	1,55E-06	0,00E+00	1,57E-08	5,98E-07	4,17E-08	-3,62E-05
ADPF	[MJ]	1,29E+03	1,99E+01	4,06E+01	0,00E+00	2,72E+00	2,08E+01	6,62E+00	-3,51E+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]	1,56E+02	1,12E+00	5,73E+01	0,00E+00	1,53E-01	9,15E+00	7,00E-01	-3,46E+01
PERM	[MJ]	0,00E+00	0,00E+00	2,06E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
PERT	[MJ]	1,56E+02	1,12E+00	7,79E+01	0,00E+00	1,53E-01	9,15E+00	7,00E-01	-3,46E+01
PENRE	[MJ]	1,21E+03	2,01E+01	4,59E+01	0,00E+00	2,74E+00	9,03E+01	6,81E+00	-3,66E+02
PENRM	[MJ]	2,06E+02	0,00E+00	1,30E+00	0,00E+00	0,00E+00	-6,47E+01	0,00E+00	0,00E+00
PENRT	[MJ]	1,42E+03	2,01E+01	4,72E+01	0,00E+00	2,74E+00	2,57E+01	6,81E+00	-3,66E+02
SM	[kg]	1,24E-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 ³]	6,41E-01	1,28E-03	2,73E-02	0,00E+00	1,75E-04	2,32E-02	9,45E-04	-5,48E-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]	1,15E-05	1,01E-09	7,48E-08	0,00E+00	1,38E-10	7,40E-09	2,33E-09	-5,62E-06
NHWD	[kg]	1,21E+00	2,98E-03	2,51E-01	0,00E+00	4,08E-04	2,50E+01	2,03E+01	-1,56E+00
RWD	[kg]	2,17E-02	2,42E-05	2,45E-03	0,00E+00	3,32E-06	1,84E-03	6,68E-05	-4,98E-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]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	1,50E+01	0,00E+00	0,00E+00
MER	[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
EEE	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	9,63E+00	0,00E+00	0,00E+00
EET	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	4,04E+01	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-22041-EN



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