This appendix refers to the EPD MD-23223-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 m² FAÇADE ELEMENT									
Parameter	**Unit**	**A1**	**A2**	**A3**	**C1**	**C2**	**C3**	**C4**	**D**
GWP	[kg CO_2-eq.]	2,08E-01	4,22E+00	8,70E+00	2,72E-02	5,49E-01	2,34E+01	2,38E-01	-3,79E+00
ODP	[kg CFC11-eq.]	6,45E-12	6,27E-16	7,12E-14	2,84E-17	8,15E-17	5,98E-15	7,55E-16	-7,83E-14
AP	[kg SO_2-eq.]	8,17E-02	4,36E-03	3,35E-03	9,99E-05	1,09E-03	4,51E-03	1,42E-03	-1,07E-02
EP	[kg PO_4^{3-}-eq.]	1,10E-02	9,25E-04	8,43E-04	1,09E-05	2,59E-04	1,11E-03	1,60E-04	-2,15E-03
POCP	[kg ethene-eq.]	5,13E-03	-4,49E-04	2,22E-04	1,46E-05	-3,35E-04	2,65E-04	8,92E-05	-9,60E-04
ADPE	[kg Sb-eq.]	5,87E-04	3,28E-07	5,43E-07	2,71E-09	4,27E-08	1,65E-07	7,63E-08	-1,71E-04
ADPF	[MJ]	3,29E+02	5,78E+01	6,66E+00	2,80E+00	7,52E+00	4,21E+00	3,22E+00	-3,92E+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 m² FAÇADE ELEMENT									
Parameter	**Unit**	**A1**	**A2**	**A3**	**C1**	**C2**	**C3**	**C4**	**D**
PERE	[MJ]	3,47E+02	4,26E+00	2,66E+01	1,83E-02	5,54E-01	2,83E+00	5,47E-01	-2,25E+02
PERM	[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
PERT	[MJ]	3,47E+02	4,26E+00	2,66E+01	1,83E-02	5,54E-01	2,83E+00	5,47E-01	-2,25E+02
PENRE	[MJ]	3,75E+02	5,87E+01	7,81E+00	2,85E+00	7,64E+00	4,84E+00	3,35E+00	-4,48E+01
PENRM	[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
PENRT	[MJ]	3,75E+02	5,87E+01	7,81E+00	2,85E+00	7,64E+00	4,84E+00	3,35E+00	-4,48E+01
SM	[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
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]	1,93E-01	4,66E-03	2,01E-02	2,13E-05	6,06E-04	3,08E-02	8,44E-04	-2,88E-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 = Net use of fresh water							

WASTE CATEGORIES AND OUTPUT FLOWS PER m² FAÇADE ELEMENT									
Parameter	**Unit**	**A1**	**A2**	**A3**	**C1**	**C2**	**C3**	**C4**	**D**
HWD	[kg]	1,62E-08	1,82E-10	-1,55E-08	5,24E-12	2,36E-11	-1,74E-10	7,21E-11	1,14E-08
NHWD	[kg]	3,43E+00	8,95E-03	1,07E+00	0,00E+00	1,16E-03	8,79E-02	1,67E+01	-1,98E-01
RWD	[kg]	1,58E-02	1,10E-04	4,03E-04	4,74E-06	1,43E-05	2,33E-04	3,76E-05	-1,91E-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	2,62E-02	0,00E+00	0,00E+00	0,00E+00	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	1,82E+01	0,00E+00	0,00E+00
EET	[MJ]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	7,82E+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							

Checked and approved by

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Third party verifier of MD-23223-EN_Rev1

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