

This appendix refers to the EPD MD-24123-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 piece RV2															
Indicator	Unit	A1	A2	A3	A1-A3	B1	B2	B3-B5	B6	B7	C1	C2	C3	C4	D
GWP	[kg CO ₂ -eq.]	1.18E+02	5.54E-01	8.63E-01	1.20E+02	0.00E+00	2.59E-01	0.00E+00	3.42E+02	0.00E+00	0.00E+00	1.33E-02	5.87E-01	4.32E-04	-4.46E+00
ODP	[kg CFC11-eq.]	7.13E-06	8.53E-14	6.79E-10	7.13E-06	0.00E+00	1.97E-11	0.00E+00	1.35E-08	0.00E+00	0.00E+00	2.34E-15	8.44E-10	1.62E-15	-2.33E-11
AP	[kg SO ₂ -eq.]	6.05E-01	2.40E-03	1.94E-02	6.27E-01	0.00E+00	2.84E-04	0.00E+00	4.05E-01	0.00E+00	0.00E+00	1.54E-05	2.73E-04	2.22E-06	-1.03E-02
EP	[kg PO ₄ ³⁻ -eq.]	7.62E-01	4.86E-04	4.22E-03	7.66E-01	0.00E+00	7.87E-05	0.00E+00	8.26E-02	0.00E+00	0.00E+00	3.48E-06	1.10E-03	2.36E-07	-8.87E-04
POCP	[kg ethene-eq.]	5.15E-02	1.06E-04	2.73E-03	5.43E-02	0.00E+00	5.80E-05	0.00E+00	3.40E-02	0.00E+00	0.00E+00	-6.05E-07	4.27E-05	1.98E-07	-1.55E-03
ADPE	[kg Sb-eq.]	4.69E-02	4.30E-08	1.93E-06	4.69E-02	0.00E+00	2.59E-08	0.00E+00	6.56E-05	0.00E+00	0.00E+00	1.17E-09	2.30E-07	3.04E-11	-2.29E-04
ADPF	[MJ]	1.72E+03	7.06E+00	8.74E+01	1.81E+03	0.00E+00	5.74E+00	0.00E+00	3.31E+03	0.00E+00	0.00E+00	1.74E-01	8.58E-01	6.97E-03	-1.35E+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														

RESOURCE USE PER 1 piece RV2															
Parameter	Unit	A1	A2	A3	A1-A3	B1	B2	B3-B5	B6	B7	C1	C2	C3	C4	D
PERE	[MJ]	1.95E+02	4.79E-01	1.48E+02	3.43E+02	0.00E+00	8.90E-01	0.00E+00	4.65E+03	0.00E+00	0.00E+00	1.53E-02	7.70E-02	1.09E-03	-1.61E+01
PERM	[MJ]	4.70E+00	0.00E+00	6.69E+01	7.16E+01	0.00E+00	0.00E+00	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]	1.99E+02	4.79E-01	2.15E+02	4.15E+02	0.00E+00	8.90E-01	0.00E+00	4.65E+03	0.00E+00	0.00E+00	1.53E-02	7.70E-02	1.09E-03	-1.61E+01
PENRE	[MJ]	1.84E+03	7.24E+00	9.79E+01	1.94E+03	0.00E+00	6.21E+00	0.00E+00	4.02E+03	0.00E+00	0.00E+00	1.78E-01	9.20E+01	7.36E-03	-1.37E+02
PENRM	[MJ]	9.43E+01	0.00E+00	-9.92E-01	9.33E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-9.10E+01	0.00E+00	0.00E+00
PENRT	[MJ]	1.93E+03	7.24E+00	9.69E+01	2.04E+03	0.00E+00	6.21E+00	0.00E+00	4.02E+03	0.00E+00	0.00E+00	1.78E-01	9.15E-01	7.36E-03	-1.37E+02
SM	[kg]	1.50E-05	0.00E+00	3.66E+00	3.66E+00	0.00E+00	0.00E+00	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	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	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	[m ³]	9.89E-01	5.37E-04	3.60E-02	1.03E+00	0.00E+00	1.70E-03	0.00E+00	1.41E+00	0.00E+00	0.00E+00	1.70E-05	-6.00E-03	1.64E-06	-1.75E-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 1 piece RV2															
Parameter	Unit	A1	A2	A3	A1-A3	B1	B2	B3-B5	B6	B7	C1	C2	C3	C4	D
HWD	[kg]	5.17E+00	3.10E-10	6.95E-04	5.17E+00	0.00E+00	3.26E-05	0.00E+00	9.82E-06	0.00E+00	0.00E+00	6.80E-12	1.82E-03	1.75E-12	2.19E-07
NHWD	[kg]	1.44E-01	1.00E-03	2.22E-01	3.67E-01	0.00E+00	3.22E-03	0.00E+00	4.37E+00	0.00E+00	0.00E+00	2.90E-05	2.08E-03	2.13E-02	3.72E-02
RWD	[kg]	2.77E-03	1.22E-05	3.30E-03	6.09E-03	0.00E+00	1.42E-04	0.00E+00	2.51E-01	0.00E+00	0.00E+00	3.23E-07	3.48E-06	9.99E-08	-2.41E-05
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	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	3.82E-01	3.82E-01	0.00E+00	7.36E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E+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	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	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E+00	0.00E+00	0.00E+00
EET	[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	0.00E+00	0.00E+00	0.00E+00	3.31E+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														

Checked and approved by



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