

This appendix refers to the EPD MD-22140-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 ² Viking 400									
Parameter	Unit	A1-A3	A4	A5	C1	C2	C3	C4	D
GWP	[kg CO ₂ -eq.]	8.10E-01	4.21E-02	6.08E-03	0.00E+00	1.20E-03	7.43E-01	0.00E+00	-3.43E-01
ODP	[kg CFC11-eq.]	1.35E-08	5.03E-15	8.42E-16	0.00E+00	1.44E-16	5.26E-14	0.00E+00	-2.23E-10
AP	[kg SO ₂ -eq.]	3.15E-03	3.71E-05	1.04E-06	0.00E+00	1.06E-06	4.77E-05	0.00E+00	-5.80E-04
EP	[kg PO ₄ ³⁻ -eq.]	6.51E-04	7.70E-06	2.12E-07	0.00E+00	2.20E-07	1.03E-05	0.00E+00	-1.07E-04
POCP	[kg ethene-eq.]	3.06E-04	-1.27E-06	6.09E-08	0.00E+00	-3.63E-08	5.05E-06	0.00E+00	-5.58E-05
ADPE	[kg Sb-eq.]	2.54E-06	4.39E-09	3.69E-11	0.00E+00	1.25E-10	1.12E-09	0.00E+00	-7.10E-08
ADPF	[MJ]	2.17E+01	5.64E-01	3.99E-03	0.00E+00	1.61E-02	9.48E-02	0.00E+00	-3.76E+00
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, e.g., 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 1 m ² Viking 400									
Parameter	Unit	A1-A3	A4	A5	C1	C2	C3	C4	D
PERE	[MJ]	2.48E+00	3.96E-02	5.87E-04	0.00E+00	1.13E-03	2.68E-02	0.00E+00	-3.15E+00
PERM	[MJ]	1.89E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PERT	[MJ]	2.67E+00	3.96E-02	5.87E-04	0.00E+00	1.13E-03	2.68E-02	0.00E+00	-3.15E+00
PENRE	[MJ]	2.32E+01	5.73E-01	4.27E-03	0.00E+00	1.64E-02	1.10E-01	0.00E+00	-5.04E+00
PENRM	[MJ]	1.02E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PENRT	[MJ]	3.34E+01	5.73E-01	4.27E-03	0.00E+00	1.64E-02	1.10E-01	0.00E+00	-5.04E+00
SM	[kg]	1.56E-02	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]	7.81E-03	4.57E-05	1.60E-05	0.00E+00	1.30E-06	1.62E-03	0.00E+00	-2.14E-03
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								
	The numbers are declared in scientific notation, e.g., 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 1 m ² Viking 400									
Parameter	Unit	A1-A3	A4	A5	C1	C2	C3	C4	D
HWD	[kg]	9.26E-10	3.03E-12	1.81E-13	0.00E+00	8.66E-14	9.99E-12	0.00E+00	-6.90E-10
NHWD	[kg]	6.49E-02	9.34E-05	2.31E-04	0.00E+00	2.67E-06	1.18E-02	0.00E+00	-9.50E-03
RWD	[kg]	2.61E-04	1.06E-06	9.53E-08	0.00E+00	3.04E-08	6.00E-06	0.00E+00	-4.77E-04
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]	7.02E-03	0.00E+00	2.09E-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	9.23E-03	0.00E+00	0.00E+00	1.58E+00	0.00E+00	0.00E+00
EET	[MJ]	0.00E+00	0.00E+00	1.66E-02	0.00E+00	0.00E+00	2.82E+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								
	The numbers are declared in scientific notation, e.g., 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.								

Checked and approved by



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Third party verifier of MD-22140-EN



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