

This appendix refers to the EPD MD-24062-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 numbers are declared in scientific notation, fx 1,95E+02. This number can also be written as: 1,95*10² or 195, while 1,12E-11 is the same as 1,12*10⁻¹¹ or 0,0000000000112. The appendix cannot stand alone, as the reference EPD describes the basis of the assessment.

Product 1: Betonsand

ENVIRONMENTAL IMPACTS PER ton of Betonsand										
Parameter	Unit	A1	A2	A3	A1-A3	C1	C2	C3*	C4	D
GWP	[kg CO ₂ -eq.]	9.72E-01	3.65E-03	1.93E+00	2.90E+00	3.03E-01	9.47E-01	2.70E-01	1.65E+00	-1.53E+00
ODP	[kg CFC11-eq.]	6.81E-11	5.68E-16	1.17E-10	1.85E-10	4.65E-14	1.47E-13	4.14E-09	3.12E-08	-1.21E-11
AP	[kg SO ₂ -eq.]	1.10E-03	2.68E-06	1.33E-02	1.44E-02	7.89E-04	6.94E-04	1.11E-03	7.87E-03	-6.10E-03
EP	[kg PO ₄ ³⁻ -eq.]	2.36E-04	5.32E-07	3.23E-03	3.47E-03	1.81E-04	1.38E-04	8.01E-04	2.53E-03	-1.09E-03
POCP	[kg ethene-eq.]	1.40E-04	1.39E-07	1.40E-03	1.54E-03	8.96E-05	3.61E-05	9.34E-05	1.26E-03	-5.39E-04
ADPE	[kg Sb-eq.]	7.51E-08	2.45E-10	1.23E-07	1.98E-07	2.00E-08	6.35E-08	5.84E-07	4.10E-06	-1.78E-07
ADPF	[MJ]	1.32E+01	4.97E-02	2.37E+01	3.69E+01	4.07E+00	1.29E+01	3.68E+00	3.11E+01	-1.98E+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 ton of Betonsand										
Parameter	Unit	A1	A2	A3	A1-A3	C1	C2	C3*	C4	D
PERE	[MJ]	9.71E-01	3.68E-03	1.75E+00	2.73E+00	3.01E-01	9.53E-01	1.11E+00	6.44E-01	-8.08E+00
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	0.00E+00
PERT	[MJ]	9.71E-01	3.68E-03	1.75E+00	2.73E+00	3.01E-01	9.53E-01	1.11E+00	6.44E-01	-8.08E+00
PENRE	[MJ]	1.34E+01	5.07E-02	2.42E+01	3.76E+01	4.15E+00	1.32E+01	6.56E+00	3.21E+01	-2.49E+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	0.00E+00
PENRT	[MJ]	1.34E+01	5.07E-02	2.42E+01	3.76E+01	4.15E+00	1.32E+01	6.56E+00	3.21E+01	-2.49E+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	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
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
FW	[m ³]	1.11E-03	4.03E-06	1.94E-03	3.05E-03	3.29E-04	1.04E-03	4.55E-03	2.44E-02	-7.39E-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 = Use of net fresh water									

WASTE CATEGORIES AND OUTPUT FLOWS PER ton of Betonsand										
Parameter	Unit	A1	A2	A3	A1-A3	C1	C2	C3*	C4	D
HWD	[kg]	4.14E-11	1.57E-13	7.47E-11	1.16E-10	1.28E-11	4.07E-11	0.00E+00	0.00E+00	6.08E-10
NHWD	[kg]	2.04E-03	7.73E-06	3.68E-03	5.73E-03	6.32E-04	2.00E-03	0.00E+00	1.97E+02	-3.34E+01
RWD	[kg]	2.50E-05	9.49E-08	4.52E-05	7.03E-05	7.76E-06	2.46E-05	0.00E+00	0.00E+00	-1.71E-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	0.00E+00
MFR	[kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E+02	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
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
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
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									

Product 2: Bundsikring

ENVIRONMENTAL IMPACTS PER ton of Bundsikring										
Parameter	Unit	A1	A2	A3	A1-A3	C1	C2	C3**	C4	D
GWP	[kg CO ₂ -eq.]	9.77E-01	3.65E-03	1.93E+00	2.91E+00	3.03E-01	9.47E-01	0.00E+00	1.65E+00	-1.53E+00
ODP	[kg CFC11-eq.]	3.37E-10	5.68E-16	2.32E-10	5.69E-10	4.65E-14	1.47E-13	0.00E+00	3.12E-08	-1.21E-11
AP	[kg SO ₂ -eq.]	1.12E-03	2.68E-06	1.33E-02	1.45E-02	7.89E-04	6.94E-04	0.00E+00	7.87E-03	-6.10E-03
EP	[kg PO ₄ ³⁻ -eq.]	2.41E-04	5.32E-07	3.23E-03	3.48E-03	1.81E-04	1.38E-04	0.00E+00	2.53E-03	-1.09E-03
POCP	[kg ethene-eq.]	1.47E-04	1.39E-07	1.41E-03	1.55E-03	8.96E-05	3.61E-05	0.00E+00	1.26E-03	-5.39E-04
ADPE	[kg Sb-eq.]	1.16E-07	2.45E-10	1.39E-07	2.56E-07	2.00E-08	6.35E-08	0.00E+00	4.10E-06	-1.78E-07
ADPF	[MJ]	1.33E+01	4.97E-02	2.38E+01	3.71E+01	4.07E+00	1.29E+01	0.00E+00	3.11E+01	-1.98E+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 ton of Bundsikring										
Parameter	Unit	A1	A2	A3	A1-A3	C1	C2	C3**	C4	D
PERE	[MJ]	9.74E-01	3.68E-03	1.75E+00	2.73E+00	3.01E-01	9.53E-01	0.00E+00	6.44E-01	-8.08E+00
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	0.00E+00
PERT	[MJ]	9.74E-01	3.68E-03	1.75E+00	2.73E+00	3.01E-01	9.53E-01	0.00E+00	6.44E-01	-8.08E+00
PENRE	[MJ]	1.36E+01	5.07E-02	2.42E+01	3.78E+01	4.15E+00	1.32E+01	0.00E+00	3.21E+01	-2.49E+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	0.00E+00
PENRT	[MJ]	1.36E+01	5.07E-02	2.42E+01	3.78E+01	4.15E+00	1.32E+01	0.00E+00	3.21E+01	-2.49E+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	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
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
FW	[m ³]	1.27E-03	4.03E-06	1.99E-03	3.27E-03	3.29E-04	1.04E-03	0.00E+00	2.44E-02	-7.39E-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 = Use of net fresh water									

WASTE CATEGORIES AND OUTPUT FLOWS PER ton of Bundsikring										
Parameter	Unit	A1	A2	A3	A1-A3	C1	C2	C3**	C4	D
HWD	[kg]	4.14E-11	1.57E-13	7.47E-11	1.16E-10	1.28E-11	4.07E-11	0.00E+00	0.00E+00	6.08E-10
NHWD	[kg]	2.04E-03	7.73E-06	3.68E-03	5.73E-03	6.32E-04	2.00E-03	0.00E+00	1.97E+02	-3.34E+01
RWD	[kg]	2.50E-05	9.49E-08	4.52E-05	7.03E-05	7.76E-06	2.46E-05	0.00E+00	0.00E+00	-1.71E-03

CRU	[kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E+02	0.00E+00	0.00E+00
MFR	[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
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
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
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
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									

Product 3: Støbemix

ENVIRONMENTAL IMPACTS PER ton of Støbemix										
Parameter	Unit	A1	A2	A3	A1-A3	C1	C2	C3*	C4	D
GWP	[kg CO ₂ -eq.]	1.20E+00	1.06E+00	9.66E-01	3.22E+00	3.03E-01	9.47E-01	2.70E-01	1.65E+00	-1.53E+00
ODP	[kg CFC11-eq.]	1.10E-11	1.65E-13	7.96E-11	9.08E-11	4.65E-14	1.47E-13	4.14E-09	3.12E-08	-1.21E-11
AP	[kg SO ₂ -eq.]	4.21E-03	7.76E-04	6.68E-03	1.17E-02	7.89E-04	6.94E-04	1.11E-03	7.87E-03	-6.10E-03
EP	[kg PO ₄ ³⁻ -eq.]	7.70E-04	1.54E-04	1.62E-03	2.54E-03	1.81E-04	1.38E-04	8.01E-04	2.53E-03	-1.09E-03
POCP	[kg ethene-eq.]	3.84E-04	4.04E-05	7.02E-04	1.13E-03	8.96E-05	3.61E-05	9.34E-05	1.26E-03	-5.39E-04
ADPE	[kg Sb-eq.]	1.28E-07	7.10E-08	6.05E-08	2.59E-07	2.00E-08	6.35E-08	5.84E-07	4.10E-06	-1.78E-07
ADPF	[MJ]	1.56E+01	1.44E+01	1.19E+01	4.19E+01	4.07E+00	1.29E+01	3.68E+00	3.11E+01	-1.98E+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 ton of Støbemix										
Parameter	Unit	A1	A2	A3	A1-A3	C1	C2	C3*	C4	D
PERE	[MJ]	5.27E+00	1.07E+00	8.77E-01	7.21E+00	3.01E-01	9.53E-01	1.11E+00	6.44E-01	-8.08E+00
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	0.00E+00
PERT	[MJ]	5.27E+00	1.07E+00	8.77E-01	7.21E+00	3.01E-01	9.53E-01	1.11E+00	6.44E-01	-8.08E+00
PENRE	[MJ]	1.89E+01	1.47E+01	1.21E+01	4.57E+01	4.15E+00	1.32E+01	6.56E+00	3.21E+01	-2.49E+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	0.00E+00
PENRT	[MJ]	1.89E+01	1.47E+01	1.21E+01	4.57E+01	4.15E+00	1.32E+01	6.56E+00	3.21E+01	-2.49E+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	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
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
FW	[m ³]	4.87E-03	1.17E-03	9.68E-04	7.01E-03	3.29E-04	1.04E-03	4.55E-03	2.44E-02	-7.39E-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 = Use of net fresh water									

WASTE CATEGORIES AND OUTPUT FLOWS PER ton of Støbemix										
Parameter	Unit	A1	A2	A3	A1-A3	C1	C2	C3*	C4	D
HWD	[kg]	-3.68E-10	4.55E-11	3.74E-11	-2.85E-10	1.28E-11	4.07E-11	0.00E+00	0.00E+00	6.08E-10
NHWD	[kg]	2.08E+01	2.24E-03	1.84E-03	2.08E+01	6.32E-04	2.00E-03	0.00E+00	1.97E+02	-3.34E+01
RWD	[kg]	1.07E-03	2.75E-05	2.26E-05	1.12E-03	7.76E-06	2.46E-05	0.00E+00	0.00E+00	-1.71E-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	0.00E+00
MFR	[kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E+02	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
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
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
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									

Product 4: Nøddesten

ENVIRONMENTAL IMPACTS PER ton of Nøddesten										
Parameter	Unit	A1	A2	A3	A1-A3	C1	C2	C3*	C4	D
GWP	[kg CO ₂ -eq.]	9.72E-01	4.81E-03	2.87E+00	3.85E+00	3.03E-01	9.47E-01	2.70E-01	1.65E+00	-1.53E+00
ODP	[kg CFC11-eq.]	6.11E-11	7.47E-16	1.23E-10	1.84E-10	4.65E-14	1.47E-13	4.14E-09	3.12E-08	-1.21E-11
AP	[kg SO ₂ -eq.]	1.10E-03	3.52E-06	1.99E-02	2.10E-02	7.89E-04	6.94E-04	1.11E-03	7.87E-03	-6.10E-03
EP	[kg PO ₄ ³⁻ -eq.]	2.36E-04	7.00E-07	4.82E-03	5.05E-03	1.81E-04	1.38E-04	8.01E-04	2.53E-03	-1.09E-03
POCP	[kg ethene-eq.]	1.40E-04	1.83E-07	2.09E-03	2.23E-03	8.96E-05	3.61E-05	9.34E-05	1.26E-03	-5.39E-04
ADPE	[kg Sb-eq.]	7.40E-08	3.22E-10	1.80E-07	2.55E-07	2.00E-08	6.35E-08	5.84E-07	4.10E-06	-1.78E-07
ADPF	[MJ]	1.32E+01	6.54E-02	3.53E+01	4.85E+01	4.07E+00	1.29E+01	3.68E+00	3.11E+01	-1.98E+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 ton of Nøddesten										
Parameter	Unit	A1	A2	A3	A1-A3	C1	C2	C3*	C4	D
PERE	[MJ]	9.71E-01	4.84E-03	2.61E+00	3.59E+00	3.01E-01	9.53E-01	1.11E+00	6.44E-01	-8.08E+00
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	0.00E+00
PERT	[MJ]	9.71E-01	4.84E-03	2.61E+00	3.59E+00	3.01E-01	9.53E-01	1.11E+00	6.44E-01	-8.08E+00
PENRE	[MJ]	1.34E+01	6.67E-02	3.60E+01	4.95E+01	4.15E+00	1.32E+01	6.56E+00	3.21E+01	-2.49E+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	0.00E+00
PENRT	[MJ]	1.34E+01	6.67E-02	3.60E+01	4.95E+01	4.15E+00	1.32E+01	6.56E+00	3.21E+01	-2.49E+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	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
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
FW	[m ³]	1.10E-03	5.30E-06	2.88E-03	3.99E-03	3.29E-04	1.04E-03	4.55E-03	2.44E-02	-7.39E-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 = Use of net fresh water									

WASTE CATEGORIES AND OUTPUT FLOWS PER ton of Nøddesten										
Parameter	Unit	A1	A2	A3	A1-A3	C1	C2	C3*	C4	D
HWD	[kg]	4.14E-11	2.07E-13	1.11E-10	1.53E-10	1.28E-11	4.07E-11	0.00E+00	0.00E+00	6.08E-10
NHWD	[kg]	2.04E-03	1.02E-05	5.49E-03	7.54E-03	6.32E-04	2.00E-03	0.00E+00	1.97E+02	-3.34E+01
RWD	[kg]	2.50E-05	1.25E-07	6.74E-05	9.25E-05	7.76E-06	2.46E-05	0.00E+00	0.00E+00	-1.71E-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	0.00E+00
MFR	[kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E+02	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
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
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
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									

Product 5: Ærtesten

ENVIRONMENTAL IMPACTS PER ton of Ærtesten										
Parameter	Unit	A1	A2	A3	A1-A3	C1	C2	C3*	C4	D
GWP	[kg CO ₂ -eq.]	1.01E+00	8.82E-02	1.93E+00	3.02E+00	3.03E-01	9.47E-01	2.70E-01	1.65E+00	-1.53E+00
ODP	[kg CFC11-eq.]	3.43E-11	1.37E-14	1.02E-10	1.36E-10	4.65E-14	1.47E-13	4.14E-09	3.12E-08	-1.21E-11
AP	[kg SO ₂ -eq.]	1.36E-03	6.47E-05	1.33E-02	1.47E-02	7.89E-04	6.94E-04	1.11E-03	7.87E-03	-6.10E-03
EP	[kg PO ₄ ³⁻ -eq.]	2.80E-04	1.29E-05	3.23E-03	3.52E-03	1.81E-04	1.38E-04	8.01E-04	2.53E-03	-1.09E-03
POCP	[kg ethene-eq.]	1.60E-04	3.37E-06	1.40E-03	1.57E-03	8.96E-05	3.61E-05	9.34E-05	1.26E-03	-5.39E-04
ADPE	[kg Sb-eq.]	7.61E-08	5.91E-09	1.21E-07	2.03E-07	2.00E-08	6.35E-08	5.84E-07	4.10E-06	-1.78E-07
ADPF	[MJ]	1.36E+01	1.20E+00	2.37E+01	3.85E+01	4.07E+00	1.29E+01	3.68E+00	3.11E+01	-1.98E+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 ton of Ærtesten										
Parameter	Unit	A1	A2	A3	A1-A3	C1	C2	C3*	C4	D
PERE	[MJ]	1.33E+00	8.88E-02	1.75E+00	3.17E+00	3.01E-01	9.53E-01	1.11E+00	6.44E-01	-8.08E+00
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	0.00E+00
PERT	[MJ]	1.33E+00	8.88E-02	1.75E+00	3.17E+00	3.01E-01	9.53E-01	1.11E+00	6.44E-01	-8.08E+00
PENRE	[MJ]	1.41E+01	1.22E+00	2.42E+01	3.95E+01	4.15E+00	1.32E+01	6.56E+00	3.21E+01	-2.49E+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	0.00E+00
PENRT	[MJ]	1.41E+01	1.22E+00	2.42E+01	3.95E+01	4.15E+00	1.32E+01	6.56E+00	3.21E+01	-2.49E+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	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
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
FW	[m ³]	1.41E-03	9.73E-05	1.93E-03	3.44E-03	3.29E-04	1.04E-03	4.55E-03	2.44E-02	-7.39E-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 = Use of net fresh water									

WASTE CATEGORIES AND OUTPUT FLOWS PER ton of Ærtesten										
Parameter	Unit	A1	A2	A3	A1-A3	C1	C2	C3*	C4	D
HWD	[kg]	9.48E-12	3.79E-12	7.47E-11	8.80E-11	1.28E-11	4.07E-11	0.00E+00	0.00E+00	6.08E-10
NHWD	[kg]	1.67E+00	1.87E-04	3.68E-03	1.67E+00	6.32E-04	2.00E-03	0.00E+00	1.97E+02	-3.34E+01
RWD	[kg]	1.09E-04	2.29E-06	4.52E-05	1.57E-04	7.76E-06	2.46E-05	0.00E+00	0.00E+00	-1.71E-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	0.00E+00
MFR	[kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E+02	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
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
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
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									

Product 6: Perlesten

ENVIRONMENTAL IMPACTS PER ton of Perlesten										
Parameter	Unit	A1	A2	A3	A1-A3	C1	C2	C3*	C4	D
GWP	[kg CO ₂ -eq.]	1.61E+00	1.44E+00	1.93E+00	4.98E+00	3.03E-01	9.47E-01	2.70E-01	1.65E+00	-1.53E+00
ODP	[kg CFC11-eq.]	1.16E-11	2.24E-13	8.80E-11	9.99E-11	4.65E-14	1.47E-13	4.14E-09	3.12E-08	-1.21E-11
AP	[kg SO ₂ -eq.]	5.52E-03	1.06E-03	1.33E-02	1.99E-02	7.89E-04	6.94E-04	1.11E-03	7.87E-03	-6.10E-03
EP	[kg PO ₄ ³⁻ -eq.]	9.98E-04	2.10E-04	3.23E-03	4.44E-03	1.81E-04	1.38E-04	8.01E-04	2.53E-03	-1.09E-03
POCP	[kg ethene-eq.]	5.01E-04	5.50E-05	1.40E-03	1.96E-03	8.96E-05	3.61E-05	9.34E-05	1.26E-03	-5.39E-04
ADPE	[kg Sb-eq.]	1.72E-07	9.66E-08	1.19E-07	3.87E-07	2.00E-08	6.35E-08	5.84E-07	4.10E-06	-1.78E-07
ADPF	[MJ]	2.10E+01	1.96E+01	2.37E+01	6.43E+01	4.07E+00	1.29E+01	3.68E+00	3.11E+01	-1.98E+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 ton of Perlesten										
Parameter	Unit	A1	A2	A3	A1-A3	C1	C2	C3*	C4	D
PERE	[MJ]	7.15E+00	1.45E+00	1.75E+00	1.04E+01	3.01E-01	9.53E-01	1.11E+00	6.44E-01	-8.08E+00
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	0.00E+00
PERT	[MJ]	7.15E+00	1.45E+00	1.75E+00	1.04E+01	3.01E-01	9.53E-01	1.11E+00	6.44E-01	-8.08E+00
PENRE	[MJ]	2.54E+01	2.00E+01	2.41E+01	6.96E+01	4.15E+00	1.32E+01	6.56E+00	3.21E+01	-2.49E+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	0.00E+00
PENRT	[MJ]	2.54E+01	2.00E+01	2.41E+01	6.96E+01	4.15E+00	1.32E+01	6.56E+00	3.21E+01	-2.49E+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	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
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
FW	[m ³]	6.60E-03	1.59E-03	1.93E-03	1.01E-02	3.29E-04	1.04E-03	4.55E-03	2.44E-02	-7.39E-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 = Use of net fresh water									

WASTE CATEGORIES AND OUTPUT FLOWS PER ton of Perlesten										
Parameter	Unit	A1	A2	A3	A1-A3	C1	C2	C3*	C4	D
HWD	[kg]	-5.02E-10	6.20E-11	7.47E-11	-3.65E-10	1.28E-11	4.07E-11	0.00E+00	0.00E+00	6.08E-10
NHWD	[kg]	2.83E+01	3.05E-03	3.68E-03	2.83E+01	6.32E-04	2.00E-03	0.00E+00	1.97E+02	-3.34E+01
RWD	[kg]	1.46E-03	3.75E-05	4.52E-05	1.54E-03	7.76E-06	2.46E-05	0.00E+00	0.00E+00	-1.71E-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	0.00E+00
MFR	[kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E+02	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
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
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
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									

Product 7: Bundsten

ENVIRONMENTAL IMPACTS PER ton of Bundsten										
Parameter	Unit	A1	A2	A3	A1-A3	C1	C2	C3**	C4	D
GWP	[kg CO ₂ -eq.]	9.71E-01	4.81E-03	2.87E+00	3.85E+00	3.03E-01	9.47E-01	0.00E+00	1.65E+00	-1.53E+00
ODP	[kg CFC11-eq.]	4.58E-13	7.47E-16	9.68E-11	9.73E-11	4.65E-14	1.47E-13	0.00E+00	3.12E-08	-1.21E-11
AP	[kg SO ₂ -eq.]	1.10E-03	3.52E-06	1.99E-02	2.10E-02	7.89E-04	6.94E-04	0.00E+00	7.87E-03	-6.10E-03
EP	[kg PO ₄ ³⁻ -eq.]	2.35E-04	7.00E-07	4.82E-03	5.05E-03	1.81E-04	1.38E-04	0.00E+00	2.53E-03	-1.09E-03
POCP	[kg ethene-eq.]	1.38E-04	1.83E-07	2.09E-03	2.23E-03	8.96E-05	3.61E-05	0.00E+00	1.26E-03	-5.39E-04
ADPE	[kg Sb-eq.]	6.47E-08	3.22E-10	1.77E-07	2.42E-07	2.00E-08	6.35E-08	0.00E+00	4.10E-06	-1.78E-07
ADPF	[MJ]	1.31E+01	6.54E-02	3.53E+01	4.85E+01	4.07E+00	1.29E+01	0.00E+00	3.11E+01	-1.98E+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 ton of Bundsten										
Parameter	Unit	A1	A2	A3	A1-A3	C1	C2	C3**	C4	D
PERE	[MJ]	9.70E-01	4.84E-03	2.61E+00	3.58E+00	3.01E-01	9.53E-01	0.00E+00	6.44E-01	-8.08E+00
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	0.00E+00
PERT	[MJ]	9.70E-01	4.84E-03	2.61E+00	3.58E+00	3.01E-01	9.53E-01	0.00E+00	6.44E-01	-8.08E+00
PENRE	[MJ]	1.34E+01	6.67E-02	3.60E+01	4.95E+01	4.15E+00	1.32E+01	0.00E+00	3.21E+01	-2.49E+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	0.00E+00
PENRT	[MJ]	1.34E+01	6.67E-02	3.60E+01	4.95E+01	4.15E+00	1.32E+01	0.00E+00	3.21E+01	-2.49E+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	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
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
FW	[m ³]	1.06E-03	5.30E-06	2.87E-03	3.94E-03	3.29E-04	1.04E-03	0.00E+00	2.44E-02	-7.39E-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 = Use of net fresh water									

WASTE CATEGORIES AND OUTPUT FLOWS PER ton of Bundsten										
Parameter	Unit	A1	A2	A3	A1-A3	C1	C2	C3**	C4	D
HWD	[kg]	4.14E-11	2.07E-13	1.11E-10	1.53E-10	1.28E-11	4.07E-11	0.00E+00	0.00E+00	6.08E-10
NHWD	[kg]	2.04E-03	1.02E-05	5.49E-03	7.54E-03	6.32E-04	2.00E-03	0.00E+00	1.97E+02	-3.34E+01
RWD	[kg]	2.50E-05	1.25E-07	6.74E-05	9.25E-05	7.76E-06	2.46E-05	0.00E+00	0.00E+00	-1.71E-03

CRU	[kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E+02	0.00E+00	0.00E+00
MFR	[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
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
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
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
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									

Product 8: Kampesten

ENVIRONMENTAL IMPACTS PER ton of Kampesten										
Parameter	Unit	A1	A2	A3	A1-A3	C1	C2	C3**	C4	D
GWP	[kg CO ₂ -eq.]	9.71E-01	3.65E-03	1.93E+00	2.90E+00	3.03E-01	9.47E-01	0.00E+00	1.65E+00	-1.53E+00
ODP	[kg CFC11-eq.]	1.37E-12	5.68E-16	8.80E-11	8.94E-11	4.65E-14	1.47E-13	0.00E+00	3.12E-08	-1.21E-11
AP	[kg SO ₂ -eq.]	1.10E-03	2.68E-06	1.33E-02	1.44E-02	7.89E-04	6.94E-04	0.00E+00	7.87E-03	-6.10E-03
EP	[kg PO ₄ ³⁻ -eq.]	2.35E-04	5.32E-07	3.23E-03	3.47E-03	1.81E-04	1.38E-04	0.00E+00	2.53E-03	-1.09E-03
POCP	[kg ethene-eq.]	1.38E-04	1.39E-07	1.40E-03	1.54E-03	8.96E-05	3.61E-05	0.00E+00	1.26E-03	-5.39E-04
ADPE	[kg Sb-eq.]	6.48E-08	2.45E-10	1.19E-07	1.84E-07	2.00E-08	6.35E-08	0.00E+00	4.10E-06	-1.78E-07
ADPF	[MJ]	1.31E+01	4.97E-02	2.37E+01	3.68E+01	4.07E+00	1.29E+01	0.00E+00	3.11E+01	-1.98E+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 ton of Kampesten										
Parameter	Unit	A1	A2	A3	A1-A3	C1	C2	C3**	C4	D
PERE	[MJ]	9.70E-01	3.68E-03	1.75E+00	2.72E+00	3.01E-01	9.53E-01	0.00E+00	6.44E-01	-8.08E+00
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	0.00E+00
PERT	[MJ]	9.70E-01	3.68E-03	1.75E+00	2.72E+00	3.01E-01	9.53E-01	0.00E+00	6.44E-01	-8.08E+00
PENRE	[MJ]	1.34E+01	5.07E-02	2.41E+01	3.76E+01	4.15E+00	1.32E+01	0.00E+00	3.21E+01	-2.49E+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	0.00E+00
PENRT	[MJ]	1.34E+01	5.07E-02	2.41E+01	3.76E+01	4.15E+00	1.32E+01	0.00E+00	3.21E+01	-2.49E+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	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
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
FW	[m ³]	1.06E-03	4.03E-06	1.93E-03	3.00E-03	3.29E-04	1.04E-03	0.00E+00	2.44E-02	-7.39E-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 = Use of net fresh water									

WASTE CATEGORIES AND OUTPUT FLOWS PER ton of Kampesten										
Parameter	Unit	A1	A2	A3	A1-A3	C1	C2	C3**	C4	D
HWD	[kg]	4.14E-11	1.57E-13	7.47E-11	1.16E-10	1.28E-11	4.07E-11	0.00E+00	0.00E+00	6.08E-10
NHWD	[kg]	2.04E-03	7.73E-06	3.68E-03	5.73E-03	6.32E-04	2.00E-03	0.00E+00	1.97E+02	-3.34E+01
RWD	[kg]	2.50E-05	9.49E-08	4.52E-05	7.03E-05	7.76E-06	2.46E-05	0.00E+00	0.00E+00	-1.71E-03

CRU	[kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E+02	0.00E+00	0.00E+00
MFR	[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
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
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
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
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									

Product 9: Filtergrus

ENVIRONMENTAL IMPACTS PER ton of Filtergrus										
Parameter	Unit	A1	A2	A3	A1-A3	C1	C2	C3**	C4	D
GWP	[kg CO ₂ -eq.]	1.07E+00	7.00E-01	1.29E+00	3.06E+00	3.03E-01	9.47E-01	0.00E+00	1.65E+00	-1.53E+00
ODP	[kg CFC11-eq.]	3.08E-11	1.09E-13	9.22E-11	1.23E-10	4.65E-14	1.47E-13	0.00E+00	3.12E-08	-1.21E-11
AP	[kg SO ₂ -eq.]	3.12E-03	5.13E-04	8.92E-03	1.26E-02	7.89E-04	6.94E-04	0.00E+00	7.87E-03	-6.10E-03
EP	[kg PO ₄ ³⁻ -eq.]	5.83E-04	1.02E-04	2.16E-03	2.85E-03	1.81E-04	1.38E-04	0.00E+00	2.53E-03	-1.09E-03
POCP	[kg ethene-eq.]	2.97E-04	2.67E-05	9.38E-04	1.26E-03	8.96E-05	3.61E-05	0.00E+00	1.26E-03	-5.39E-04
ADPE	[kg Sb-eq.]	1.07E-07	4.69E-08	8.15E-08	2.35E-07	2.00E-08	6.35E-08	0.00E+00	4.10E-06	-1.78E-07
ADPF	[MJ]	1.41E+01	9.53E+00	1.59E+01	3.95E+01	4.07E+00	1.29E+01	0.00E+00	3.11E+01	-1.98E+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 ton of Filtergrus										
Parameter	Unit	A1	A2	A3	A1-A3	C1	C2	C3**	C4	D
PERE	[MJ]	3.76E+00	7.05E-01	1.17E+00	5.64E+00	3.01E-01	9.53E-01	0.00E+00	6.44E-01	-8.08E+00
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	0.00E+00
PERT	[MJ]	3.76E+00	7.05E-01	1.17E+00	5.64E+00	3.01E-01	9.53E-01	0.00E+00	6.44E-01	-8.08E+00
PENRE	[MJ]	1.63E+01	9.72E+00	1.62E+01	4.22E+01	4.15E+00	1.32E+01	0.00E+00	3.21E+01	-2.49E+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	0.00E+00
PENRT	[MJ]	1.63E+01	9.72E+00	1.62E+01	4.22E+01	4.15E+00	1.32E+01	0.00E+00	3.21E+01	-2.49E+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	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
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
FW	[m ³]	3.54E-03	7.72E-04	1.30E-03	5.60E-03	3.29E-04	1.04E-03	0.00E+00	2.44E-02	-7.39E-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 = Use of net fresh water									

WASTE CATEGORIES AND OUTPUT FLOWS PER ton of Filtergrus										
Parameter	Unit	A1	A2	A3	A1-A3	C1	C2	C3**	C4	D
HWD	[kg]	-2.31E-10	3.01E-11	5.00E-11	-1.51E-10	1.28E-11	4.07E-11	0.00E+00	0.00E+00	6.08E-10
NHWD	[kg]	1.37E+01	1.48E-03	2.46E-03	1.38E+01	6.32E-04	2.00E-03	0.00E+00	1.97E+02	-3.34E+01
RWD	[kg]	7.16E-04	1.82E-05	3.02E-05	7.64E-04	7.76E-06	2.46E-05	0.00E+00	0.00E+00	-1.71E-03

CRU	[kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E+02	0.00E+00	0.00E+00
MFR	[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
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
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
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
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

A handwritten signature in blue ink, appearing to read 'Guangli Du'.

[Guangli Du]
Third party verifier of MD-24062-EN

A handwritten signature in blue ink, appearing to read 'Martha Katrine Sørensen'.

Martha Katrine Sørensen
EPD Danmark