

This appendix refers to the EPD MD-23215-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 1m <sup>3</sup> of undried and unplanned Danish Construction Wood									
Parameter	Unit	A1-A3	A4	A5	C1	C2	C3	C4	D
GWP	[kg CO <sub>2</sub> -eq.]	1.95E+01	2.77E+00	2.23E-03	0.00E+00	1.39E+00	7.54E-02	0.00E+00	-2.13E+02
ODP	[kg CFC11-eq.]	3.42E-06	1.73E-06	4.13E-10	0.00E+00	8.67E-07	1.75E-09	0.00E+00	-7.75E-06
AP	[kg SO <sub>2</sub> -eq.]	1.15E-01	2.26E-02	5.38E-06	0.00E+00	1.13E-02	2.33E-04	0.00E+00	-1.19E+00
EP	[kg PO <sub>4</sub> <sup>3-</sup> -eq.]	1.76E-01	4.61E-03	1.10E-06	0.00E+00	2.31E-03	2.06E-04	0.00E+00	-4.10E-01
POCP	[kg ethene-eq.]	3.01E-03	1.11E-03	2.64E-07	0.00E+00	5.56E-04	1.06E-05	0.00E+00	-5.31E-02
ADPE	[kg Sb-eq.]	5.49E-05	3.34E-05	7.97E-09	0.00E+00	1.67E-05	1.75E-07	0.00E+00	-2.26E-04
ADPF	[MJ]	3.51E+02	1.40E+02	3.33E-02	0.00E+00	7.01E+01	8.20E-01	0.00E+00	-2.12E+03
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 <sup>2</sup> or 195, while 1,12E-11 is the same as 1,12*10 <sup>-11</sup> or 0,0000000000112.								

ENVIRONMENTAL IMPACTS PER 1m <sup>3</sup> of dried and planned Danish Construction Wood									
Parameter	Unit	A1-A3	A4	A5	C1	C2	C3	C4	D
GWP	[kg CO <sub>2</sub> -eq.]	2.22E+01	1.77E+00	2.23E-03	0.00E+00	8.85E-01	7.54E-02	0.00E+00	-3.62E+02
ODP	[kg CFC11-eq.]	3.48E-06	1.44E-06	4.13E-10	0.00E+00	7.18E-07	1.75E-09	0.00E+00	-1.32E-05
AP	[kg SO <sub>2</sub> -eq.]	1.24E-01	1.87E-02	5.38E-06	0.00E+00	9.36E-03	2.33E-04	0.00E+00	-2.02E+00
EP	[kg PO <sub>4</sub> <sup>3-</sup> -eq.]	1.83E-01	3.82E-03	1.10E-06	0.00E+00	1.91E-03	2.06E-04	0.00E+00	-6.99E-01
POCP	[kg ethene-eq.]	3.40E-03	9.20E-04	2.64E-07	0.00E+00	4.60E-04	1.06E-05	0.00E+00	-9.03E-02
ADPE	[kg Sb-eq.]	6.12E-05	2.77E-05	7.97E-09	0.00E+00	1.39E-05	1.75E-07	0.00E+00	-3.86E-04
ADPF	[MJ]	3.81E+02	1.16E+02	3.33E-02	0.00E+00	5.80E+01	8.20E-01	0.00E+00	-3.61E+03
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 <sup>2</sup> or 195, while 1,12E-11 is the same as 1,12*10 <sup>-11</sup> or 0,0000000000112.								



RESOURCE USE PER 1m <sup>3</sup> of undried and unplanned Danish Construction Wood									
Parameter	Unit	A1-A3	A4	A5	C1	C2	C3	C4	D
PERE	[MJ]	-5.68E+01	-1.53E+00	-3.64E-04	0.00E+00	-7.65E-01	-6.13E-01	0.00E+00	6.66E+02
PERM	[MJ]	8.44E+01	2.04E+00	4.87E-04	0.00E+00	1.02E+00	9.12E-01	0.00E+00	-1.22E+03
PERT	[MJ]	2.76E+01	5.16E-01	1.23E-04	0.00E+00	2.59E-01	2.98E-01	0.00E+00	-5.55E+02
PENRE	[MJ]	-1.06E-02	-6.02E-03	-1.43E-06	0.00E+00	-3.01E-03	-3.49E-05	0.00E+00	6.20E-02
PENRM	[MJ]	3.82E+02	1.43E+02	3.41E-02	0.00E+00	7.16E+01	1.11E+00	0.00E+00	-2.45E+03
PENRT	[MJ]	3.82E+02	1.43E+02	3.41E-02	0.00E+00	7.16E+01	1.11E+00	0.00E+00	-2.45E+03
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 <sup>3</sup> ]	3.00E-01	1.62E-02	3.86E-06	0.00E+00	8.10E-03	2.92E-03	0.00E+00	-4.05E+00
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 <sup>2</sup> or 195, while 1,12E-11 is the same as 1,12*10 <sup>-11</sup> or 0,0000000000112.								

RESOURCE USE PER 1m <sup>3</sup> of dried and planned Danish Construction Wood									
Parameter	Unit	A1-A3	A4	A5	C1	C2	C3	C4	D
PERE	[MJ]	-7.91E+01	-1.27E+00	-3.64E-04	0.00E+00	-6.33E-01	-6.13E-01	0.00E+00	1.14E+03
PERM	[MJ]	1.17E+02	1.69E+00	4.87E-04	0.00E+00	8.47E-01	9.12E-01	0.00E+00	-2.09E+03
PERT	[MJ]	3.84E+01	4.28E-01	1.23E-04	0.00E+00	2.14E-01	2.98E-01	0.00E+00	-9.47E+02
PENRE	[MJ]	-1.18E-02	-4.99E-03	-1.43E-06	0.00E+00	-2.50E-03	-3.49E-05	0.00E+00	1.06E-01
PENRM	[MJ]	4.22E+02	1.19E+02	3.41E-02	0.00E+00	5.93E+01	1.11E+00	0.00E+00	-4.18E+03
PENRT	[MJ]	4.22E+02	1.19E+02	3.41E-02	0.00E+00	5.93E+01	1.11E+00	0.00E+00	-4.18E+03
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 <sup>3</sup> ]	4.06E-01	1.34E-02	3.86E-06	0.00E+00	6.71E-03	2.92E-03	0.00E+00	-6.93E+00
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 <sup>2</sup> or 195, while 1,12E-11 is the same as 1,12*10 <sup>-11</sup> or 0,0000000000112.								

**WASTE CATEGORIES AND OUTPUT FLOWS PER 1m<sup>3</sup> of undried and unplanned Danish Construction Wood**

Parameter	Unit	A1-A3	A4	A5	C1	C2	C3	C4	D
HWD	[kg]	7.27E-04	3.73E-04	8.89E-08	0.00E+00	1.87E-04	5.46E-07	0.00E+00	-9.87E-04
NHWD	[kg]	8.22E+00	7.48E+00	1.78E-03	0.00E+00	3.75E+00	6.97E-03	0.00E+00	-1.17E+01
RWD	[kg]	2.24E-03	9.66E-04	2.30E-07	0.00E+00	4.84E-04	4.89E-06	0.00E+00	-8.55E-03

CRU	[kg]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MFR	[kg]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MER	[kg]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EEE	[MJ]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EET	[MJ]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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, fx 1,95E+02. This number can also be written as: 1,95\*10<sup>2</sup> or 195, while 1,12E-11 is the same as 1,12\*10<sup>-11</sup> or 0,0000000000112.

**WASTE CATEGORIES AND OUTPUT FLOWS PER 1m<sup>3</sup> of dried and planned Danish Construction Wood**

Parameter	Unit	A1-A3	A4	A5	C1	C2	C3	C4	D
HWD	[kg]	7.47E-04	3.09E-04	8.89E-08	0.00E+00	1.55E-04	5.46E-07	0.00E+00	-1.69E-03
NHWD	[kg]	8.47E+00	6.20E+00	1.78E-03	0.00E+00	3.10E+00	6.97E-03	0.00E+00	-2.00E+01
RWD	[kg]	2.42E-03	8.01E-04	2.30E-07	0.00E+00	4.00E-04	4.89E-06	0.00E+00	-1.46E-02

CRU	[kg]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MFR	[kg]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MER	[kg]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EEE	[MJ]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EET	[MJ]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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, fx 1,95E+02. This number can also be written as: 1,95\*10<sup>2</sup> or 195, while 1,12E-11 is the same as 1,12\*10<sup>-11</sup> or 0,0000000000112.

Checked and approved by



Kim Christiansen  
Third party verifier of MD-23125-EN



Martha Katrine Sørensen  
EPD Danmark