

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 [The LCI and LCIA results in this EPD relates to 1m ² of textile covered acoustic panel of a thickness of 40mm]					
Indicator	Unit	A1-3	C2	C4	D
GWP-total	kg CO ₂ eq.	1.20E+01	2.65E-02	3.28E-02	-2.01E-01
GWP-fossil	kg CO ₂ eq.	1.28E+01	2.64E-02	3.25E-02	-5.00E-01
GWP-biogenic	kg CO ₂ eq.	-8.37E-01	2.38E-05	2.61E-04	2.99E-01
GWP-luluc	kg CO ₂ eq.	1.13E-02	1.04E-05	3.29E-05	-5.76E-04
ODP	kg CFC 11 eq.	8.97E-06	6.11E-09	9.89E-09	-6.14E-08
AP	mol H ⁺ eq.	6.42E-02	1.07E-04	2.74E-04	-2.15E-03
EP-freshwater	kg P eq.	2.89E-03	1.70E-06	9.43E-06	-1.42E-04
EP-marine	kg N eq.	1.47E-02	3.23E-05	9.45E-05	-5.64E-04
EP-terrestrial	mol N eq.	1.95E-01	3.53E-04	1.03E-03	-7.16E-03
POCP	kg NMVOC eq.	4.73E-02	1.08E-04	2.98E-04	-1.72E-03
ADPm ¹	kg Sb eq.	1.54E-04	9.19E-08	1.06E-07	-4.06E-06
ADPf ¹	MJ	1.58E+02	3.99E-01	7.64E-01	-6.03E+00
WDP ¹	m ³ world eq. deprived	6.27E+00	1.20E-03	3.33E-02	-3.09E-01
Caption			<p>GWP-total = Global Warming Potential - total; GWP-fossil = Global Warming Potential - fossil fuels; GWP-biogenic = Global Warming Potential - biogenic; GWP-luluc = Global Warming Potential - land use and land use change; ODP = Ozone Depletion; AP = Acidification;</p> <p>EP-freshwater = Eutrophication – aquatic freshwater; EP-marine = Eutrophication – aquatic marine; EP-terrestrial = Eutrophication – terrestrial; POCP = Photochemical zone formation; ADPm = Abiotic Depletion Potential – minerals and metals; ADPf = Abiotic Depletion Potential – fossil fuels; WDP = water use</p>		
Disclaimer			<p>¹ The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator.</p>		

ENVIRONMENTAL IMPACTS PER 1m ³ of undried and unplanned Danish Construction Wood							
Parameter	Unit	A1-A3	A4	C2	C3	C4	D
GWP	[kg CO ₂ -eq.]	-6.43E+03	1.78E+00	4.73E+00	8.00E-02	9.47E+02	2.91E+03
ODP	[kg CFC11-eq.]	4.58E-06	-1.01E-07	3.88E-08	1.97E-09	-4.40E-05	-2.03E-05
AP	[kg SO ₂ -eq.]	1.75E-01	-2.08E-02	4.75E-04	2.75E-04	-6.72E+00	-3.11E+00
EP	[kg PO ₄ ³⁻ -eq.]	0.62377	-0.03431	0.00116	0.000856	-11.2291	-5.18819
POCP	[kg ethene-eq.]	8.63E-02	-7.97E-03	4.05E-04	1.64E-04	-2.65E+00	-1.22E+00
ADPE	[kg Sb-eq.]	9.91E-05	-1.63E-06	5.93E-07	1.74E-07	-6.98E-04	-3.23E-04
ADPF	[MJ]	4.48E+02	-2.85E+01	2.54E+00	1.11E+00	-9.81E+03	-4.53E+03
Caption	<p>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</p>						
	<p>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.</p>						

ENVIRONMENTAL IMPACTS PER 1m³ of dried and planned Danish Construction Wood

Parameter	Unit	A1-A3	A4	C2	C3	C4	D
GWP	[kg CO ₂ -eq.]	-7.07E+03	1.78E+00	4.73E+00	8.00E-02	1.04E+03	3.20E+03
ODP	[kg CFC11- eq.]	4.66E-06	-1.01E-07	3.88E-08	1.97E-09	-4.83E-05	-2.23E-05
AP	[kg SO ₂ -eq.]	1.85E-01	-2.08E-02	4.75E-04	2.75E-04	-7.39E+00	-3.42E+00
EP	[kg PO ₄ ³⁻ -eq.]	0.654801	-0.03431	0.00116	0.000856	-12.3521	-5.70701
POCP	[kg ethene- eq.]	9.22E-02	-7.97E-03	4.05E-04	1.64E-04	-2.91E+00	-1.35E+00
ADPE	[kg Sb-eq.]	1.05E-04	-1.63E-06	5.93E-07	1.74E-07	-7.68E-04	-3.55E-04
ADPF	[MJ]	4.88E+02	-2.85E+01	2.54E+00	1.11E+00	-1.08E+04	-4.99E+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 ² or 195, while 1,12E-11 is the same as 1,12*10 ⁻¹¹ or 0,0000000000112.						

RESOURCE USE PER 1m ³ of undried and unplanned Danish Construction Wood							
Parameter	Unit	A1-A3	A4	C2	C3	C4	D
PERE	[MJ]	-6.04E+01	5.66E+00	-2.71E-02	-6.13E-01	1.80E+03	8.32E+02
PERM	[MJ]	6.13E+02	-1.22E+01	3.63E-02	9.12E-01	-3.89E+03	-1.80E+03
PERT	[MJ]	5.52E+02	-6.58E+00	9.16E-03	2.98E-01	-2.09E+03	-9.65E+02
PENRE	[MJ]	-4.47E-02	6.20E-04	-1.07E-04	-3.49E-05	2.29E-01	1.06E-01
PENRM	[MJ]	4.48E+02	-2.85E+01	2.54E+00	1.11E+00	-9.81E+03	-4.53E+03
PENRT	[MJ]	4.48E+02	-2.85E+01	2.54E+00	1.11E+00	-9.81E+03	-4.53E+03
SM	[kg]	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
NRSF	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	[m ³]	4.17E-01	-4.13E-02	2.87E-04	2.92E-03	-1.32E+01	-6.09E+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 ² or 195, while 1,12E-11 is the same as 1,12*10 ⁻¹¹ or 0,0000000000112.						

RESOURCE USE PER 1m ³ of dried and planned Danish Construction Wood							
Parameter	Unit	A1-A3	A4	C2	C3	C4	D
PERE	[MJ]	-8.27E+01	5.66E+00	-2.71E-02	-6.13E-01	1.98E+03	9.16E+02
PERM	[MJ]	6.46E+02	-1.22E+01	3.63E-02	9.12E-01	-4.28E+03	-1.98E+03
PERT	[MJ]	5.63E+02	-6.58E+00	9.16E-03	2.98E-01	-2.30E+03	-1.06E+03
PENRE	[MJ]	-4.60E-02	6.20E-04	-1.07E-04	-3.49E-05	2.52E-01	1.17E-01
PENRM	[MJ]	4.88E+02	-2.85E+01	2.54E+00	1.11E+00	-1.08E+04	-4.99E+03
PENRT	[MJ]	4.88E+02	-2.85E+01	2.54E+00	1.11E+00	-1.08E+04	-4.99E+03
SM	[kg]	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
NRSF	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	[m ³]	5.23E-01	-4.13E-02	2.87E-04	2.92E-03	-1.45E+01	-6.70E+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 ² or 195, while 1,12E-11 is the same as 1,12*10 ⁻¹¹ or 0,0000000000112.						

WASTE CATEGORIES AND OUTPUT FLOWS PER 1m³ of undried and unplanned Danish Construction Wood

Parameter	Unit	A1-A3	A4	C2	C3	C4	D
HWD	[kg]	8.34E-04	-5.15E-06	6.62E-06	5.46E-07	-3.67E-03	-1.70E-03
NHWD	[kg]	8.32E+00	-3.98E-03	1.33E-01	6.97E-03	-4.22E+01	-1.95E+01
RWD	[kg]	2.37E-03	-8.23E-05	1.71E-05	4.89E-06	-3.14E-02	-1.45E-02

CRU	[kg]	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
MER	[kg]	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
EET	[MJ]	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
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.

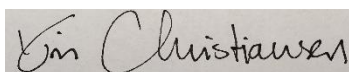
WASTE CATEGORIES AND OUTPUT FLOWS PER 1m³ of dried and planned Danish Construction Wood

Parameter	Unit	A1-A3	A4	C2	C3	C4	D
HWD	[kg]	8.53E-04	-5.15E-06	6.62E-06	5.46E-07	-4.04E-03	-1.87E-03
NHWD	[kg]	8.57E+00	-3.98E-03	1.33E-01	6.97E-03	-4.64E+01	-2.14E+01
RWD	[kg]	2.55E-03	-8.23E-05	1.71E-05	4.89E-06	-3.45E-02	-1.59E-02

CRU	[kg]	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
MER	[kg]	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
EET	[MJ]	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
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Checked and approved by



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