

This appendix refers to the EPD MD-23134-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 M<sup>3</sup> OF RIBAPLAN 33 SUBFLOORING

Parameter	Unit	A1-A3	A4	A5	B1-B7	C1	C2	C3	C4	D
GWP	[kg CO <sub>2</sub> -eq.]	3,00E+02	0,00E+00	1,20E+00	0,00E+00	7,93E-02	1,01E+01	0,00E+00	-1,13E+02	0,00E+00
ODP	[kg CFC11-eq.]	9,48E-07	0,00E+00	2,29E-13	0,00E+00	1,33E-12	1,18E-12	0,00E+00	2,02E-11	0,00E+00
AP	[kg SO <sub>2</sub> -eq.]	2,62E-01	0,00E+00	4,50E-02	0,00E+00	4,60E-05	2,24E-02	0,00E+00	4,15E-02	0,00E+00
EP	[kg PO <sub>4</sub> <sup>3-</sup> -eq.]	5,06E-02	0,00E+00	1,16E-02	0,00E+00	8,04E-06	3,59E-03	0,00E+00	4,65E-03	0,00E+00
POCP	[kg ethene-eq.]	2,84E-02	0,00E+00	5,52E-03	0,00E+00	4,84E-06	4,52E-04	0,00E+00	3,27E-03	0,00E+00
ADPE	[kg Sb-eq.]	6,51E-05	0,00E+00	1,44E-07	0,00E+00	2,10E-08	1,02E-06	0,00E+00	1,31E-06	0,00E+00
ADPF	[MJ]	9,58E+02	0,00E+00	1,84E+01	0,00E+00	9,62E-01	1,34E+02	0,00E+00	9,53E+01	0,00E+00
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*10<sup>2</sup> or 195, while 1,12E-11 is the same as 1,12*10<sup>-11</sup> or 0,0000000000112.</p>									

### RESOURCE USE PER M<sup>3</sup> OF RIBAPLAN 33 SUBFLOORING

Parameter	Unit	A1-A3	A4	A5	B1-B7	C1	C2	C3	C4	D
PERE	[MJ]	3,21E+02	0,00E+00	1,32E+00	0,00E+00	3,48E-01	9,08E+00	0,00E+00	1,46E+01	0,00E+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]	3,21E+02	0,00E+00	1,32E+00	0,00E+00	3,48E-01	9,08E+00	0,00E+00	1,46E+01	0,00E+00
PENRE	[MJ]	5,82E+02	0,00E+00	1,87E+01	0,00E+00	1,35E+00	1,36E+02	0,00E+00	9,86E+01	0,00E+00
PENRM	[MJ]	4,73E+02	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]	1,06E+03	0,00E+00	1,87E+01	0,00E+00	1,35E+00	1,36E+02	0,00E+00	9,86E+01	0,00E+00
SM	[kg]	1,16E+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
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 <sup>3</sup> ]	4,84E-01	0,00E+00	1,36E-02	0,00E+00	2,04E-04	1,05E-02	0,00E+00	2,49E-02	0,00E+00
Caption	<p>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</p> <p>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.</p>									

### WASTE CATEGORIES AND OUTPUT FLOWS PER M<sup>3</sup> OF RIBAPLAN 33 SUBFLOORING

Parameter	Unit	A1-A3	A4	A5	B1-B7	C1	C2	C3	C4	D
HWD	[kg]	5,06E-08	0,00E+00	1,14E-10	0,00E+00	6,59E-11	7,15E-10	0,00E+00	4,94E-09	0,00E+00
NHWD	[kg]	3,20E+00	0,00E+00	1,51E+00	0,00E+00	4,91E-04	2,19E-02	0,00E+00	4,90E+02	0,00E+00
RWD	[kg]	3,19E-02	0,00E+00	3,79E-05	0,00E+00	1,58E-04	2,49E-04	0,00E+00	1,07E-03	0,00E+00
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	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	<p>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</p> <p>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.</p>									

Checked and approved by



Charlotte Merlin  
Third party verifier of MD-23134-EN



Martha Katrine Sørensen  
EPD Danmark