

This appendix refers to the EPD MD-23131-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 18 SUBFLOORING

Parameter	Unit	A1-A3	A4	A5	B1-B7	C1	C2	C3	C4	D
GWP	[kg CO <sub>2</sub> -eq.]	1,67E+02	0,00E+00	1,33E+00	0,00E+00	4,77E-02	6,08E+00	0,00E+00	-6,12E+01	0,00E+00
ODP	[kg CFC11-eq.]	9,47E-07	0,00E+00	2,02E-13	0,00E+00	8,00E-13	7,10E-13	0,00E+00	1,22E-11	0,00E+00
AP	[kg SO <sub>2</sub> -eq.]	1,74E-01	0,00E+00	4,49E-02	0,00E+00	2,77E-05	1,35E-02	0,00E+00	2,50E-02	0,00E+00
EP	[kg PO <sub>4</sub> <sup>3-</sup> -eq.]	3,83E-02	0,00E+00	1,16E-02	0,00E+00	4,84E-06	2,16E-03	0,00E+00	2,80E-03	0,00E+00
POCP	[kg ethene-eq.]	1,91E-02	0,00E+00	5,51E-03	0,00E+00	2,92E-06	2,72E-04	0,00E+00	1,97E-03	0,00E+00
ADPE	[kg Sb-eq.]	5,85E-05	0,00E+00	1,41E-07	0,00E+00	1,26E-08	6,14E-07	0,00E+00	7,89E-07	0,00E+00
ADPF	[MJ]	5,78E+02	0,00E+00	1,81E+01	0,00E+00	5,79E-01	8,08E+01	0,00E+00	5,74E+01	0,00E+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, 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 M<sup>3</sup> OF RIBAPLAN 18 SUBFLOORING

Parameter	Unit	A1-A3	A4	A5	B1-B7	C1	C2	C3	C4	D
PERE	[MJ]	1,92E+02	0,00E+00	1,29E+00	0,00E+00	2,10E-01	5,47E+00	0,00E+00	8,77E+00	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]	1,92E+02	0,00E+00	1,29E+00	0,00E+00	2,10E-01	5,47E+00	0,00E+00	8,77E+00	0,00E+00
PENRE	[MJ]	1,65E+02	0,00E+00	1,84E+01	0,00E+00	8,12E-01	8,20E+01	0,00E+00	5,94E+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]	6,39E+02	0,00E+00	1,84E+01	0,00E+00	8,12E-01	8,20E+01	0,00E+00	5,94E+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> ]	3,36E-01	0,00E+00	1,36E-02	0,00E+00	1,23E-04	6,32E-03	0,00E+00	1,50E-02	0,00E+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									
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### WASTE CATEGORIES AND OUTPUT FLOWS PER M<sup>3</sup> OF RIBAPLAN 18 SUBFLOORING

Parameter	Unit	A1-A3	A4	A5	B1-B7	C1	C2	C3	C4	D
HWD	[kg]	2,79E-08	0,00E+00	1,07E-10	0,00E+00	3,97E-11	4,30E-10	0,00E+00	2,97E-09	0,00E+00
NHWD	[kg]	1,76E+00	0,00E+00	9,08E-01	0,00E+00	2,96E-04	1,32E-02	0,00E+00	2,95E+02	0,00E+00
RWD	[kg]	1,80E-02	0,00E+00	3,63E-05	0,00E+00	9,49E-05	1,50E-04	0,00E+00	6,45E-04	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	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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Third party verifier of MD-23131-EN



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