

This appendix refers to the EPD MD-23132-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 23 SUBFLOORING

Parameter	Unit	A1-A3	A4	A5	B1-B7	C1	C2	C3	C4	D
GWP	[kg CO <sub>2</sub> -eq.]	2,11E+02	0,00E+00	1,29E+00	0,00E+00	5,70E-02	7,25E+00	0,00E+00	-7,86E+01	0,00E+00
ODP	[kg CFC11-eq.]	9,47E-07	0,00E+00	2,09E-13	0,00E+00	9,55E-13	8,48E-13	0,00E+00	1,45E-11	0,00E+00
AP	[kg SO <sub>2</sub> -eq.]	2,03E-01	0,00E+00	4,50E-02	0,00E+00	3,31E-05	1,61E-02	0,00E+00	2,98E-02	0,00E+00
EP	[kg PO <sub>4</sub> <sup>3-</sup> -eq.]	4,24E-02	0,00E+00	1,16E-02	0,00E+00	5,77E-06	2,58E-03	0,00E+00	3,34E-03	0,00E+00
POCP	[kg ethene-eq.]	2,22E-02	0,00E+00	5,51E-03	0,00E+00	3,48E-06	3,25E-04	0,00E+00	2,35E-03	0,00E+00
ADPE	[kg Sb-eq.]	6,07E-05	0,00E+00	1,42E-07	0,00E+00	1,51E-08	7,33E-07	0,00E+00	9,42E-07	0,00E+00
ADPF	[MJ]	7,04E+02	0,00E+00	1,82E+01	0,00E+00	6,91E-01	9,64E+01	0,00E+00	6,85E+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 23 SUBFLOORING

Parameter	Unit	A1-A3	A4	A5	B1-B7	C1	C2	C3	C4	D
PERE	[MJ]	2,35E+02	0,00E+00	1,29E+00	0,00E+00	2,50E-01	6,53E+00	0,00E+00	1,05E+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]	2,35E+02	0,00E+00	1,29E+00	0,00E+00	2,50E-01	6,53E+00	0,00E+00	1,05E+01	0,00E+00
PENRE	[MJ]	3,04E+02	0,00E+00	1,85E+01	0,00E+00	9,69E-01	9,79E+01	0,00E+00	7,09E+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]	7,78E+02	0,00E+00	1,85E+01	0,00E+00	9,69E-01	9,79E+01	0,00E+00	7,09E+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> ]	3,77E-01	0,00E+00	1,36E-02	0,00E+00	1,47E-04	7,54E-03	0,00E+00	1,79E-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 23 SUBFLOORING

Parameter	Unit	A1-A3	A4	A5	B1-B7	C1	C2	C3	C4	D
HWD	[kg]	3,55E-08	0,00E+00	1,09E-10	0,00E+00	4,74E-11	5,14E-10	0,00E+00	3,55E-09	0,00E+00
NHWD	[kg]	2,24E+00	0,00E+00	1,06E+00	0,00E+00	3,53E-04	1,57E-02	0,00E+00	3,52E+02	0,00E+00
RWD	[kg]	2,26E-02	0,00E+00	3,67E-05	0,00E+00	1,13E-04	1,79E-04	0,00E+00	7,70E-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-23132-EN



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