



This appendix refers to the EPD MD-22122-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 ²													
Parameter	Unit	BurntWood ReUse without surface treatment						BurntWood ReUse with surface treatment					
		A1-A3	C1	C2	C3	C4	D	A1-A3	C1	C2	C3	C4	D
GWP	[kg CO ₂ -eq.]	-3,72E+01	0,00E+00	2,89E-01	3,63E+01	0,00E+00	-1,24E+00	-3,88E+01	0,00E+00	2,95E-01	3,65E+01	0,00E+00	-1,35E+00
ODP	[kg CFC11-eq.]	1,46E-07	0,00E+00	5,14E-09	5,06E-09	0,00E+00	-3,57E-08	1,57E-07	0,00E+00	5,26E-09	5,57E-09	0,00E+00	-3,89E-08
AP	[kg SO ₂ -eq.]	9,25E-03	0,00E+00	5,14E-04	2,25E-03	0,00E+00	-3,09E-03	1,13E-02	0,00E+00	5,25E-04	2,33E-03	0,00E+00	-3,34E-03
EP	[kg PO ₄ ³⁻ -eq.]	3,95E-03	0,00E+00	1,28E-04	2,61E-03	0,00E+00	-1,46E-03	4,17E-03	0,00E+00	1,31E-04	2,72E-03	0,00E+00	-1,58E-03
POCP	[kg ethene-eq.]	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	0,00E+00	0,00E+00	0,00E+00
ADPE	[kg Sb-eq.]	1,22E-05	0,00E+00	9,41E-07	5,25E-07	0,00E+00	-7,10E-06	1,99E-05	0,00E+00	9,61E-07	5,49E-07	0,00E+00	-7,68E-06
ADPF	[MJ]	4,21E+01	0,00E+00	4,07E+00	3,04E+00	0,00E+00	-2,07E+01	5,36E+01	0,00E+00	4,16E+00	3,17E+00	0,00E+00	-2,24E+01
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												

RESOURCE USE PER m ²													
Parameter	Unit	BurntWood ReUse without surface treatment						BurntWood ReUse with surface treatment					
		A1-A3	C1	C2	C3	C4	D	A1-A3	C1	C2	C3	C4	D
PERE	[MJ]	1,91E+02	0,00E+00	6,44E-02	6,54E-02	0,00E+00	-9,06E-01	1,51E+02	0,00E+00	6,58E-02	6,94E-02	0,00E+00	-9,81E-01
PERM	[MJ]	7,90E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	3,06E+02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
PERT	[MJ]	2,70E+02	0,00E+00	6,44E-02	6,54E-02	0,00E+00	-9,06E-01	4,58E+02	0,00E+00	6,58E-02	6,94E-02	0,00E+00	-9,81E-01
PENRE	[MJ]	4,27E+01	0,00E+00	4,09E+00	2,62E+00	0,00E+00	-1,98E+01	5,30E+01	0,00E+00	4,18E+00	2,74E+00	0,00E+00	-2,15E+01
PENRM	[MJ]	4,82E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	9,17E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
PENRT	[MJ]	4,32E+01	0,00E+00	4,09E+00	2,62E+00	0,00E+00	-1,98E+01	5,39E+01	0,00E+00	4,18E+00	2,74E+00	0,00E+00	-2,15E+01
SM	[kg]	1,66E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	1,66E+01	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	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	0,00E+00	0,00E+00	0,00E+00
FW	[m ³]	2,53E-02	0,00E+00	5,89E-04	-4,42E-03	0,00E+00	-1,90E-02	2,59E-02	0,00E+00	6,01E-04	-4,04E-03	0,00E+00	-2,06E-02
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 = Net use of fresh water												



WASTE CATEGORIES AND OUTPUT FLOWS PER m ²													
Parameter	Unit	BurntWood ReUse without surface treatment						BurntWood ReUse with surface treatment					
		A1-A3	C1	C2	C3	C4	D	A1-A3	C1	C2	C3	C4	D
HWD	[kg]	1,95E-04	0,00E+00	2,60E-05	1,31E-05	0,00E+00	-4,75E-05	2,41E-04	0,00E+00	2,66E-05	1,39E-05	0,00E+00	-5,16E-05
NHWD	[kg]	1,10E+00	0,00E+00	2,03E-01	2,34E-01	0,00E+00	-4,46E-02	1,27E+00	0,00E+00	2,07E-01	2,53E-01	0,00E+00	-4,83E-02
RWD	[kg]	7,45E-05	0,00E+00	1,34E-06	7,80E-07	0,00E+00	-5,36E-05	7,41E-05	0,00E+00	1,37E-06	8,51E-07	0,00E+00	-5,80E-05

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	0,00E+00	0,00E+00	0,00E+00
MFR	[kg]	1,38E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	3,61E-02	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	2,00E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	2,00E+01	0,00E+00	0,00E+00
EEE	[MJ]	0,00E+00	0,00E+00	0,00E+00	3,43E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	3,48E+01	0,00E+00	0,00E+00
EET	[MJ]	0,00E+00	0,00E+00	0,00E+00	6,85E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	6,95E+01	0,00E+00	0,00E+00

CRU = Components for re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EE = Exported energy
HWD = Hazardous waste disposed; NHWD = Non hazardous waste disposed; RWD = Radioactive waste disposed

Checked and approved by

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