



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.]	-3,09E+01	0,00E+00	2,53E-01	3,36E+01	0,00E+00	-4,13E+00	-3,16E+01	0,00E+00	2,73E-01	3,77E+01	0,00E+00	-4,46E+00
ODP	[kg CFC11-eq.]	4,16E-07	0,00E+00	4,67E-08	1,74E-08	0,00E+00	-1,45E-07	6,54E-07	0,00E+00	5,04E-08	1,88E-08	0,00E+00	-1,57E-07
AP	[kg SO ₂ -eq.]	9,40E-03	0,00E+00	6,03E-04	2,14E-03	0,00E+00	-8,42E-03	4,85E-02	0,00E+00	6,50E-04	2,31E-03	0,00E+00	-9,09E-03
EP	[kg PO ₄ ³⁻ -eq.]	3,75E-03	0,00E+00	1,24E-04	2,42E-03	0,00E+00	-7,03E-03	3,03E-02	0,00E+00	1,34E-04	2,61E-03	0,00E+00	-7,59E-03
POCP	[kg ethene-eq.]	8,98E-04	0,00E+00	2,99E-05	7,06E-05	0,00E+00	-4,46E-04	2,71E-03	0,00E+00	3,23E-05	7,62E-05	0,00E+00	-4,81E-04
ADPE	[kg Sb-eq.]	1,20E-05	0,00E+00	9,02E-07	7,04E-07	0,00E+00	-1,23E-05	3,75E-05	0,00E+00	9,72E-07	7,60E-07	0,00E+00	-1,33E-05
ADPF	[MJ]	3,34E+01	0,00E+00	3,67E+00	2,40E+00	0,00E+00	-5,60E+01	6,04E+01	0,00E+00	3,96E+00	2,59E+00	0,00E+00	-6,05E+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	1,39E-02	1,91E-02	0,00E+00	-9,75E+00	2,21E+02	0,00E+00	1,50E-02	2,06E-02	0,00E+00	-1,05E+01
PERM	[MJ]	2,85E+02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	3,44E+02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
PERT	[MJ]	4,76E+02	0,00E+00	1,39E-02	1,91E-02	0,00E+00	-9,75E+00	5,65E+02	0,00E+00	1,50E-02	2,06E-02	0,00E+00	-1,05E+01
PENRE	[MJ]	3,80E+01	0,00E+00	3,86E+00	2,47E+00	0,00E+00	-6,54E+01	6,64E+01	0,00E+00	4,16E+00	2,66E+00	0,00E+00	-7,07E+01
PENRM	[MJ]	4,81E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	6,37E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
PENRT	[MJ]	3,85E+01	0,00E+00	3,86E+00	2,47E+00	0,00E+00	-6,54E+01	6,71E+01	0,00E+00	4,16E+00	2,66E+00	0,00E+00	-7,07E+01
SM	[kg]	1,51E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	1,51E+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]	2,79E-02	0,00E+00	4,37E-04	-3,88E-03	0,00E+00	-9,84E-02	3,11E-01	0,00E+00	4,71E-04	-4,19E-03	0,00E+00	-1,06E-01
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 m²**

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]	8,47E-05	0,00E+00	1,01E-05	5,66E-06	0,00E+00	-5,14E-05	2,22E-04	0,00E+00	1,09E-05	6,10E-06	0,00E+00	-5,56E-05
NHWD	[kg]	1,09E+00	0,00E+00	2,02E-01	2,16E-01	0,00E+00	-2,42E-01	1,85E+00	0,00E+00	2,18E-01	2,33E-01	0,00E+00	-2,61E-01
RWD	[kg]	2,07E-04	0,00E+00	2,61E-05	4,79E-06	0,00E+00	-1,61E-04	3,11E-04	0,00E+00	2,81E-05	5,15E-06	0,00E+00	-1,74E-04

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]	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
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	0,00E+00	0,00E+00	0,00E+00
EEE	[MJ]	0,00E+00	0,00E+00	0,00E+00	3,18E+01	0,00E+00	0,00E+00	9,54E-02	0,00E+00	0,00E+00	3,43E+01	0,00E+00	0,00E+00
EET	[MJ]	0,00E+00	0,00E+00	0,00E+00	6,34E+01	0,00E+00	0,00E+00	1,86E-01	0,00E+00	0,00E+00	6,85E+01	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; EE = Exported energy												

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