

This appendix refers to the EPD MD-24092-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.

Solid floor, Oak, 16 mm thickness (untreated):

ENVIRONMENTAL IMPACTS PER 1 m ² SOLID FLOOR 16 mm THICKNESS								
Parameter	Unit	A1-A3	A4	C1	C2	C3	C4	D
GWP	[kg CO ₂ -eq.]	-1.07E+01	1.38E+00	0.00E+00	9.05E-02	1.66E+01	0.00E+00	-3.00E+00
ODP	[kg CFC11-eq.]	3.34E-07	2.75E-07	0.00E+00	1.80E-08	1.33E-08	0.00E+00	-3.41E-07
AP	[kg SO ₂ -eq.]	5.69E-02	3.60E-03	0.00E+00	2.36E-04	1.59E-03	0.00E+00	-5.42E-03
EP	[kg PO ₄ ³⁻ -eq.]	1.72E-02	7.46E-04	0.00E+00	4.89E-05	1.67E-03	0.00E+00	-2.97E-03
POCP	[kg ethene-eq.]	5.15E-03	1.68E-04	0.00E+00	1.10E-05	5.63E-05	0.00E+00	-2.98E-04
ADPE	[kg Sb-eq.]	1.21E-05	3.33E-06	0.00E+00	2.19E-07	6.34E-07	0.00E+00	-8.08E-06
ADPF	[MJ]	6.77E+01	2.22E+01	0.00E+00	1.46E+00	2.30E+00	0.00E+00	-4.67E+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							
	The numbers are declared in scientific notation, fx 1.95E+02. This number can also be written as: 1.95*10 ² or 195, while 1.12E-11 is the same as 1.12*10 ⁻¹¹ or 0.0000000000112.							

RESOURCE USE PER 1 m ² SOLID FLOOR 16 mm THICKNESS								
Parameter	Unit	A1-A3	A4	C1	C2	C3	C4	D
PERE	[MJ]	1.08E+02	2.88E-01	0.00E+00	1.89E-02	1,63E+02	0.00E+00	-3.51E+00
PERM	[MJ]	1.99E+02	0.00E+00	0.00E+00	0.00E+00	-1,62E+02	0.00E+00	0.00E+00
PERT	[MJ]	3.07E+02	2.88E-01	0.00E+00	1.89E-02	3,45E-01	0.00E+00	-3.51E+00
PENRE	[MJ]	1.27E+02	2.27E+01	0.00E+00	1.49E+00	3,16E+00	0.00E+00	-5.48E+01
PENRM	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0,00E+00	0.00E+00	0.00E+00
PENRT	[MJ]	1.27E+02	2.27E+01	0.00E+00	1.49E+00	3,16E+00	0.00E+00	-5.48E+01
SM	[kg]	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
NRSF	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0,00E+00	0.00E+00	0.00E+00
FW	[m ³]	1.66E+00	7.66E-02	0.00E+00	5.02E-03	-9,66E-02	0.00E+00	-2.49E-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 1 m ² SOLID FLOOR 16 mm THICKNESS								
Parameter	Unit	A1-A3	A4	C1	C2	C3	C4	D
HWD	[kg]	9.55E-05	5.49E-05	0.00E+00	3.60E-06	3.99E-06	0.00E+00	-6.21E-05
NHWD	[kg]	1.89E+00	2.12E+00	0.00E+00	1.39E-01	1.33E-01	0.00E+00	-7.39E-02
RWD	[kg]	9.16E-04	1.53E-04	0.00E+00	1.01E-05	1.54E-05	0.00E+00	-1.43E-04
CRU	[kg]	2.76E+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
MER	[kg]	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	7.17E+00	0.00E+00	0.00E+00
EET	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E+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; EEE = Exported electrical energy; EET = Exported thermal energy							
	The numbers are declared in scientific notation, fx 1.95E+02. This number can also be written as: 1.95*10 ² or 195, while 1.12E-11 is the same as 1.12*10 ⁻¹¹ or 0.0000000000112.							

Solid floor, Oak, 22 mm thickness (untreated):

ENVIRONMENTAL IMPACTS PER 1 m ² SOLID FLOOR 22 mm THICKNESS								
Parameter	Unit	A1-A3	A4	C1	C2	C3	C4	D
GWP	[kg CO ₂ -eq.]	-1.50E+01	1.90E+00	0.00E+00	1.24E-04	2.28E+01	0.00E+00	-4.13E+00
ODP	[kg CFC11-eq.]	4.29E-07	3.78E-07	0.00E+00	2.48E-11	1.83E-08	0.00E+00	-4.69E-07
AP	[kg SO ₂ -eq.]	7.76E-02	4.95E-03	0.00E+00	3.24E-07	2.19E-03	0.00E+00	-7.46E-03
EP	[kg PO ₄ ³⁻ -eq.]	2.35E-02	1.03E-03	0.00E+00	6.71E-08	2.29E-03	0.00E+00	-4.09E-03
POCP	[kg ethene-eq.]	7.04E-03	2.31E-04	0.00E+00	1.51E-08	7.74E-05	0.00E+00	-4.10E-04
ADPE	[kg Sb-eq.]	1.59E-05	4.58E-06	0.00E+00	3.00E-10	8.72E-07	0.00E+00	-1.11E-05
ADPF	[MJ]	8.90E+01	3.06E+01	0.00E+00	2.00E-03	3.16E+00	0.00E+00	-6.43E+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							
	The numbers are declared in scientific notation, fx 1.95E+02. This number can also be written as: 1.95*10 ² or 195, while 1.12E-11 is the same as 1.12*10 ⁻¹¹ or 0.000000000112.							

RESOURCE USE PER 1 m ² SOLID FLOOR 22 mm THICKNESS								
Parameter	Unit	A1-A3	A4	C1	C2	C3	C4	D
PERE	[MJ]	1.51E+02	3.96E-01	0.00E+00	2.59E-05	2,24E+02	0.00E+00	-4.83E+00
PERM	[MJ]	2.74E+02	0.00E+00	0.00E+00	0.00E+00	-2,23E+02	0.00E+00	0.00E+00
PERT	[MJ]	4.25E+02	3.96E-01	0.00E+00	2.59E-05	4,74E-01	0.00E+00	-4.83E+00
PENRE	[MJ]	1.70E+02	3.12E+01	0.00E+00	2.04E-03	4,34E+00	0.00E+00	-7.54E+01
PENRM	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0,00E+00	0.00E+00	0.00E+00
PENRT	[MJ]	1.70E+02	3.12E+01	0.00E+00	2.04E-03	4,34E+00	0.00E+00	-7.54E+01
SM	[kg]	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
NRSF	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0,00E+00	0.00E+00	0.00E+00
FW	[m ³]	2.22E+00	1.05E-01	0.00E+00	6.90E-06	-1,33E-01	0.00E+00	-3.42E-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 1 m ² SOLID FLOOR 22 mm THICKNESS								
Parameter	Unit	A1-A3	A4	C1	C2	C3	C4	D
HWD	[kg]	1.25E-04	7.54E-05	0.00E+00	4.94E-09	5.49E-06	0.00E+00	-8.55E-05
NHWD	[kg]	2.36E+00	2.91E+00	0.00E+00	1.91E-04	1.82E-01	0.00E+00	-1.02E-01
RWD	[kg]	1.24E-03	2.11E-04	0.00E+00	1.38E-08	2.12E-05	0.00E+00	-1.97E-04
CRU	[kg]	3.85E+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
MER	[kg]	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	9.86E+00	0.00E+00	0.00E+00
EET	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E+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; EEE = Exported electrical energy; EET = Exported thermal energy							
	The numbers are declared in scientific notation, fx 1.95E+02. This number can also be written as: 1.95*10 ² or 195, while 1.12E-11 is the same as 1.12*10 ⁻¹¹ or 0.000000000112.							

Checked and approved by



Charlotte B. Merlin
Third party verifier of MD-xxxxx-EN



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