

This appendix refers to the EPD, MD-22073-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.

The following products and supplementary datasets are included:

- **Page 1-2:** [Solid Plank 16 mm thickness \(Untreated\)](#)
- **Page 2-3:** [Origin Plank 20 mm thickness \(Untreated\)](#)
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Scaling factors for floor thickness. can be found in the reference EPD.

Solid Plank 16 mm thickness (Untreated):

Solid Plank 16 mm thickness (Untreated) ENVIRONMENTAL IMPACTS PER 1 m ²							
Parameter	Unit	A1-A3	C1	C2	C3	C4	D
GWP	[kg CO ₂ -eq.]	3.33E+00	0.00E+00	1.71E-01	1.91E-01	0.00E+00	-1.52E+00
ODP	[kg CFC11-eq.]	3.47E-07	0.00E+00	9.94E-09	3.17E-08	0.00E+00	-6.10E-08
AP	[kg SO ₂ -eq.]	1.94E-02	0.00E+00	6.13E-04	1.71E-03	0.00E+00	-2.70E-03
EP	[kg PO ₄ ³⁻ -eq.]	8.59E-03	0.00E+00	1.21E-04	1.42E-03	0.00E+00	-1.95E-03
POCP	[kg ethene-eq.]	1.38E-03	0.00E+00	2.23E-05	4.68E-05	0.00E+00	-1.43E-04
ADPE	[kg Sb-eq.]	8.77E-06	0.00E+00	6.01E-07	6.00E-07	0.00E+00	-3.75E-06
ADPF	[MJ]	4.29E+01	0.00E+00	2.10E+01	1.86E+01	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						

Solid Plank 16 mm thickness (Untreated) RESOURCE USE PER 1 m ²							
Parameter	Unit	A1-A3	C1	C2	C3	C4	D
PERE	[MJ]	4.73E+01	0.00E+00	3.69E-02	7.25E-01	0.00E+00	-8.05E+00
PERM	[MJ]	1.96E+02	0.00E+00	0.00E+00	-1.96E+02	0.00E+00	0.00E+00
PERT	[MJ]	2.43E+02	0.00E+00	3.69E-02	-1.95E+02	0.00E+00	-8.05E+00
PENRE	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PENRM	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PENRT	[MJ]	4.52E+01	0.00E+00	2.61E+00	1.97E+00	0.00E+00	-2.50E+01
SM	[kg]	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
NRSF	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	[m ³]	5.27E-02	0.00E+00	2.91E-04	4.44E-03	0.00E+00	-2.73E-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 = Use of net fresh water						

Solid Plank 16 mm thickness (Untreated) WASTE CATEGORIES AND OUTPUT FLOWS PER 1 m ²							
Parameter	Unit	A1-A3	C1	C2	C3	C4	D
HWD	[kg]	9.56E-05	0.00E+00	6.83E-06	2.11E-05	0.00E+00	-2.22E-05
NHWD	[kg]	2.26E+00	0.00E+00	1.34E-01	7.64E-02	0.00E+00	-6.80E-02
RWD	[kg]	2.12E-04	0.00E+00	1.77E-05	6.08E-06	0.00E+00	-4.39E-05

CRU	[kg]	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
MER	[kg]	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	8.78E+00	0.00E+00	0.00E+00
EET	[MJ]	0.00E+00	0.00E+00	0.00E+00	3.29E+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						

Origin Plank 20 mm thickness (Untreated):

Origin Plank 20 mm thickness (Untreated) ENVIRONMENTAL IMPACTS PER 1 m ²							
Parameter	Unit	A1-A3	C1	C2	C3	C4	D
GWP	[kg CO ₂ -eq.]	3.11E+00	0.00E+00	2.14E-01	2.38E-01	0.00E+00	-1.90E+00
ODP	[kg CFC11-eq.]	3.69E-07	0.00E+00	1.04E-08	3.96E-08	0.00E+00	-7.63E-08
AP	[kg SO ₂ -eq.]	1.54E-02	0.00E+00	7.66E-04	2.14E-03	0.00E+00	-3.38E-03
EP	[kg PO ₄ ³⁻ -eq.]	8.18E-03	0.00E+00	1.52E-04	1.78E-03	0.00E+00	-2.44E-03
POCP	[kg ethene-eq.]	1.40E-03	0.00E+00	2.79E-05	5.85E-05	0.00E+00	-1.79E-04
ADPE	[kg Sb-eq.]	1.01E-05	0.00E+00	7.51E-07	7.50E-07	0.00E+00	-4.69E-06
ADPF	[MJ]	4.05E+01	0.00E+00	1.90E+01	1.80E+01	0.00E+00	-2.80E+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						

Origin Plank 20 mm thickness (Untreated) RESOURCE USE PER 1 m ²							
Parameter	Unit	A1-A3	C1	C2	C3	C4	D
PERE	[MJ]	5.85E+01	0.00E+00	4.62E-02	9.06E-01	0.00E+00	-1.01E+01
PERM	[MJ]	2.44E+02	0.00E+00	0.00E+00	-2.44E+02	0.00E+00	0.00E+00
PERT	[MJ]	3.03E+02	0.00E+00	4.62E-02	-2.44E+02	0.00E+00	-1.01E+01
PENRE	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PENRM	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PENRT	[MJ]	4.54E+01	0.00E+00	3.27E+00	2.46E+00	0.00E+00	-3.12E+01
SM	[kg]	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
NRSF	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	[m ³]	2.29E-02	0.00E+00	3.64E-04	5.55E-03	0.00E+00	-3.41E-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 = Use of net fresh water						

Origin Plank 20 mm thickness (Untreated) WASTE CATEGORIES AND OUTPUT FLOWS PER 1 m ²							
Parameter	Unit	A1-A3	C1	C2	C3	C4	D
HWD	[kg]	1.06E-04	0.00E+00	8.53E-06	2.64E-05	0.00E+00	-2.78E-05
NHWD	[kg]	2.28E+00	0.00E+00	1.68E-01	9.55E-02	0.00E+00	-8.51E-02
RWD	[kg]	2.58E-04	0.00E+00	2.21E-05	7.60E-06	0.00E+00	-5.49E-05

CRU	[kg]	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
MER	[kg]	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	3.05E+00	0.00E+00	0.00E+00
EET	[MJ]	0.00E+00	0.00E+00	0.00E+00	4.12E+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						

Supplementary Datasets – Lacquer Treatment

Lacquer Treatment ENVIRONMENTAL IMPACTS PER 1 m ²							
Parameter	Unit	A1-A3	C1	C2	C3	C4	D
GWP	[kg CO ₂ -eq.]	7.10E-01	0.00E+00	1.27E-03	4.78E-01	0.00E+00	-1.91E-01
ODP	[kg CFC11-eq.]	5.14E-08	0.00E+00	2.38E-10	3.21E-10	0.00E+00	-7.70E-09
AP	[kg SO ₂ -eq.]	2.90E-03	0.00E+00	4.60E-06	3.72E-05	0.00E+00	-3.40E-04
EP	[kg PO ₄ ³⁻ -eq.]	8.57E-04	0.00E+00	9.06E-07	3.15E-05	0.00E+00	-2.40E-04
POCP	[kg ethene-eq.]	2.97E-04	0.00E+00	1.65E-07	7.74E-07	0.00E+00	-1.80E-05
ADPE	[kg Sb-eq.]	6.20E-06	0.00E+00	3.93E-09	1.24E-08	0.00E+00	-4.70E-07
ADPF	[MJ]	1.46E+01	0.00E+00	1.92E-02	2.99E-02	0.00E+00	-2.83E+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						

Lacquer Treatment RESOURCE USE PER 1 m ²							
Parameter	Unit	A1-A3	C1	C2	C3	C4	D
PERE	[MJ]	5.51E-01	0.00E+00	2.67E-04	1.47E-03	0.00E+00	-9.91E-01
PERM	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PERT	[MJ]	5.51E-01	0.00E+00	2.67E-04	1.47E-03	0.00E+00	-9.91E-01
PENRE	[MJ]	9.92E+00	0.00E+00	1.96E-02	3.17E-02	0.00E+00	-3.14E+00
PENRM	[MJ]	5.60E+00	0.00E+00	0.00E+00	-5.60E+00	0.00E+00	0.00E+00
PENRT	[MJ]	1.55E+01	0.00E+00	1.96E-02	-5.57E+00	0.00E+00	-3.14E+00
SM	[kg]	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
NRSF	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	[m ³]	1.56E-02	0.00E+00	2.24E-06	1.06E-04	0.00E+00	-3.36E-03
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						

Lacquer Treatment WASTE CATEGORIES AND OUTPUT FLOWS PER 1 m ²							
Parameter	Unit	A1-A3	C1	C2	C3	C4	D
HWD	[kg]	8.92E-06	0.00E+00	4.99E-08	1.02E-06	0.00E+00	-2.80E-06
NHWD	[kg]	9.59E-02	0.00E+00	1.31E-03	5.88E-03	0.00E+00	-8.40E-03
RWD	[kg]	2.79E-05	0.00E+00	1.33E-07	8.47E-08	0.00E+00	-5.40E-06

CRU	[kg]	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
MER	[kg]	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	1.12E+00	0.00E+00	0.00E+00
EET	[MJ]	0.00E+00	0.00E+00	0.00E+00	4.20E+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; EE = Exported energy						

Supplementary Datasets – Oil Treatment

Oil Treatment ENVIRONMENTAL IMPACTS PER 1 m ²							
Parameter	Unit	A1-A3	C1	C2	C3	C4	D
GWP	[kg CO ₂ -eq.]	2.98E-01	0.00E+00	1.27E-03	1.19E-01	0.00E+00	-6.37E-02
ODP	[kg CFC11-eq.]	2.10E-08	0.00E+00	2.38E-10	8.02E-11	0.00E+00	-2.60E-09
AP	[kg SO ₂ -eq.]	7.56E-04	0.00E+00	4.60E-06	9.31E-06	0.00E+00	-1.10E-04
EP	[kg PO ₄ ³⁻ -eq.]	3.96E-03	0.00E+00	9.06E-07	7.87E-06	0.00E+00	-8.00E-05
POCP	[kg ethene-eq.]	1.03E-04	0.00E+00	1.65E-07	1.93E-07	0.00E+00	-5.90E-06
ADPE	[kg Sb-eq.]	1.46E-06	0.00E+00	3.93E-09	3.09E-09	0.00E+00	-1.60E-07
ADPF	[MJ]	1.80E+00	0.00E+00	1.92E-02	7.49E-03	0.00E+00	-9.43E-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						

Oil Treatment RESOURCE USE PER 1 m ²							
Parameter	Unit	A1-A3	C1	C2	C3	C4	D
PERE	[MJ]	2.26E-01	0.00E+00	2.67E-04	3.67E-04	0.00E+00	-3.30E-01
PERM	[MJ]	1.85E+00	0.00E+00	0.00E+00	-1.85E+00	0.00E+00	0.00E+00
PERT	[MJ]	2.08E+00	0.00E+00	2.67E-04	-1.85E+00	0.00E+00	-3.30E-01
PENRE	[MJ]	2.46E+00	0.00E+00	1.96E-02	7.92E-03	0.00E+00	-1.05E+00
PENRM	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PENRT	[MJ]	2.46E+00	0.00E+00	1.96E-02	7.92E-03	0.00E+00	-1.05E+00
SM	[kg]	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
NRSF	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	[m ³]	7.07E-03	0.00E+00	2.24E-06	2.64E-05	0.00E+00	-1.12E-03
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						

Oil Treatment WASTE CATEGORIES AND OUTPUT FLOWS PER 1 m ²							
Parameter	Unit	A1-A3	C1	C2	C3	C4	D
HWD	[kg]	1.23E-04	0.00E+00	4.99E-08	2.54E-07	0.00E+00	-9.40E-07
NHWD	[kg]	3.91E-02	0.00E+00	1.31E-03	1.47E-03	0.00E+00	-2.80E-03
RWD	[kg]	1.39E-05	0.00E+00	1.33E-07	2.12E-08	0.00E+00	-1.80E-06

CRU	[kg]	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
MER	[kg]	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	3.70E-01	0.00E+00	0.00E+00
EET	[MJ]	0.00E+00	0.00E+00	0.00E+00	1.39E+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; EE = Exported energy						

Checked and approved by



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