



This appendix refers to the EPD MD-23207-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.

Two scenarios for installation of the declared products have been included. One assumes installation solely using the integrated click system (Q-LOC), which is noted (1), and one assumes installation by fully gluing the declared products to the underlaying surface, which is noted (2). Module A1-A3, A4, B2, and B3 does not vary between these scenarios.

Results for: Ash 1-strip engineered 3-layer wood flooring Q-LOC (5G) 15 mm (oiled) and Ash 1-strip engineered 3-layer wood flooring T/G 22 mm (oiled).

ENVIRONMENTAL EFFECTS PER PRODUCT PER FU (1kg) Ash 1-strip engineered 3-layer wood flooring (oiled)													
Parameter	Unit	A1-A3	A4	A5 (1)	A5 (2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
GWP	[kg CO2-eq.]	-9.51E-01	2.10E-02	6.55E-02	8.65E-01	1.67E-01	4.23E-01	3.74E-03	3.96E-03	1.51E+00	1.41E+00	-1.51E+00	-1.57E+00
ODP	[kg CFC11-eq.]	6.49E-08	3.27E-15	2.15E-09	4.18E-07	1.55E-08	1.66E-09	5.81E-16	6.17E-16	2.88E-14	2.47E-14	-1.17E-12	-1.45E-12
AP	[kg SO2-eq.]	3.48E-03	2.24E-05	1.73E-04	3.73E-03	1.36E-03	3.95E-04	3.99E-06	4.23E-06	4.64E-05	8.11E-05	-1.60E-04	-1.89E-04
EP	[kg PO43--eq.]	1.58E-03	4.90E-06	7.93E-05	1.66E-03	1.71E-03	2.41E-04	8.72E-07	9.25E-07	1.03E-05	2.07E-05	-3.49E-05	-4.12E-05
POCP	[kg ethene-eq.]	6.48E-04	-2.21E-06	2.84E-05	4.46E-04	1.22E-04	3.38E-05	-3.94E-07	-4.18E-07	3.41E-06	5.28E-06	-1.60E-05	-1.97E-05
ADPE	[kg Sb-eq.]	2.73E-06	1.41E-09	9.83E-08	9.69E-06	1.14E-06	1.62E-07	2.50E-10	2.66E-10	2.56E-09	2.49E-09	-1.71E-08	-2.11E-08
ADPF	[MJ]	1.04E+01	2.86E-01	1.04E+00	1.48E+01	2.15E+00	1.21E+00	5.09E-02	5.40E-02	8.42E-02	8.36E-02	-3.37E+00	-4.15E+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												

RESSOURCE CONSUMPTION PER PRODUCT PER FU (1kg) Ash 1-strip engineered 3-layer wood flooring (oiled)													
Parameter	Unit	A1-A3	A4	A5 (1)	A5 (2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
PERE	[MJ]	7.20E+01	2.11E-02	2.21E+00	3.40E+00	4.68E-01	3.47E+00	3.76E-03	3.99E-03	1.34E+01	1.34E+01	-2.89E+01	-2.92E+01
PERM	[MJ]	1.67E+01	0.00E+00	5.09E-01	5.09E-01	6.37E-01	6.79E-02	0.00E+00	0.00E+00	-1.34E+01	-1.34E+01	1.34E+01	1.34E+01
PERT	[MJ]	8.86E+01	2.11E-02	2.72E+00	3.91E+00	1.11E+00	3.54E+00	3.76E-03	3.99E-03	2.25E-02	1.67E-02	-1.55E+01	-1.58E+01
PENRE	[MJ]	1.08E+01	2.92E-01	6.99E-01	1.39E+01	2.32E+00	1.61E+00	5.19E-02	5.50E-02	3.44E-01	3.43E-01	-3.80E+00	-4.62E+00
PENRM	[MJ]	7.35E-01	0.00E+00	3.30E+00	2.59E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-2.55E-01	-2.55E-01	2.55E-01	2.55E-01
PENRT	[MJ]	1.16E+01	2.92E-01	4.01E+00	1.65E+01	2.38E+00	1.62E+00	5.19E-02	5.50E-02	8.97E-02	8.85E-02	-3.54E+00	-4.36E+00
SM	[kg]	1.67E-03	0.00E+00	8.03E-02	5.00E-05	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	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	[m³]	8.52E-03	2.32E-05	6.37E-04	3.01E-02	7.33E-03	2.56E-03	4.12E-06	4.37E-06	5.05E-04	2.57E-04	-4.50E-04	-5.49E-04
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 PRODUCT PER FU (1kg)													
Ash 1-strip engineered 3-layer wood flooring (oiled)													
Parameter	Unit	A1-A3	A4	A5 (1)	A5 (2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
HWD	[kg]	6.57E-09	9.03E-13	2.23E-10	1.96E-10	7.88E-12	-1.21E-09	1.61E-13	1.70E-13	-3.02E-12	1.35E-12	2.88E-10	3.59E-10
NHWD	[kg]	2.21E-02	4.44E-05	1.52E-03	1.26E-03	1.64E-04	7.43E-03	7.91E-06	8.39E-06	4.39E-03	4.06E-03	-2.58E-03	-3.20E-03
RWD	[kg]	5.89E-05	5.46E-07	1.30E-05	2.17E-06	3.43E-06	1.36E-04	9.71E-08	1.03E-07	1.68E-06	1.47E-06	-6.20E-05	-7.55E-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]	5.41E-03	0.00E+00	1.62E-04	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-01	8.13E-01	0.00E+00	0.00E+00
MER	[kg]	6.76E-01	0.00E+00	2.03E-02	2.03E-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
EEE	[MJ]	1.01E-02	0.00E+00	1.22E-01	1.22E-01	0.00E+00	4.83E-01	0.00E+00	0.00E+00	4.32E-01	2.07E-01	8.59E-03	8.59E-03
EET	[MJ]	4.05E+00	0.00E+00	6.46E-01	6.46E-01	0.00E+00	2.08E+00	0.00E+00	0.00E+00	1.84E+00	8.51E-01	3.65E-02	3.65E-02
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												



Results for: Ash 1-strip engineered 3-layer wood flooring Q-LOC (5G) 15 mm (lacquered) and Ash 1-strip engineered 3-layer wood flooring T/G 22 mm (lacquered).

ENVIRONMENTAL EFFECTS PER PRODUCT PER FU (1kg) Ash 1-strip engineered 3-layer wood flooring (lacquered)													
Parameter	Unit	A1-A3	A4	A5 (1)	A5 (2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
GWP	[kg CO2-eq.]	-9.12E-01	2.10E-02	6.44E-02	8.64E-01	1.12E-02	6.51E-01	3.74E-03	3.96E-03	1.49E+00	1.39E+00	-1.50E+00	-1.55E+00
ODP	[kg CFC11-eq.]	5.71E-08	3.27E-15	1.71E-09	4.17E-07	5.47E-08	3.65E-12	5.81E-16	6.17E-16	2.88E-14	2.47E-14	-1.17E-12	-1.45E-12
AP	[kg SO2-eq.]	3.46E-03	2.24E-05	1.54E-04	3.71E-03	6.82E-05	5.91E-04	3.99E-06	4.23E-06	4.64E-05	8.11E-05	-1.60E-04	-1.89E-04
EP	[kg PO43--eq.]	1.37E-03	4.90E-06	5.04E-05	1.63E-03	2.34E-05	1.04E-04	8.72E-07	9.25E-07	1.03E-05	2.07E-05	-3.49E-05	-4.12E-05
POCP	[kg ethene-eq.]	6.46E-04	-2.21E-06	2.68E-05	4.44E-04	8.45E-06	7.83E-05	-3.94E-07	-4.18E-07	3.41E-06	5.28E-06	-1.60E-05	-1.97E-05
ADPE	[kg Sb-eq.]	2.64E-06	1.41E-09	8.04E-08	9.67E-06	9.60E-08	5.03E-08	2.50E-10	2.66E-10	2.56E-09	2.49E-09	-1.71E-08	-2.11E-08
ADPF	[MJ]	1.12E+01	2.86E-01	1.03E+00	1.48E+01	2.62E-01	6.14E+00	5.09E-02	5.40E-02	8.42E-02	8.36E-02	-3.37E+00	-4.15E+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												

RESSOURCE CONSUMPTION PER PRODUCT PER FU (1kg) Ash 1-strip engineered 3-layer wood flooring (lacquered)													
Parameter	Unit	A1-A3	A4	A5 (1)	A5 (2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
PERE	[MJ]	7.21E+01	2.11E-02	2.21E+00	3.40E+00	6.50E-03	4.03E+00	3.76E-03	3.99E-03	1.32E+01	1.32E+01	-2.87E+01	-2.91E+01
PERM	[MJ]	1.65E+01	0.00E+00	4.94E-01	4.94E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.32E+01	-1.32E+01	1.32E+01	1.32E+01
PERT	[MJ]	8.86E+01	2.11E-02	2.71E+00	3.89E+00	6.50E-03	4.03E+00	3.76E-03	3.99E-03	2.25E-02	1.67E-02	-1.55E+01	-1.58E+01
PENRE	[MJ]	1.16E+01	2.92E-01	6.91E-01	1.39E+01	1.38E-01	6.24E+00	5.19E-02	5.50E-02	3.93E-01	3.91E-01	-3.85E+00	-4.67E+00
PENRM	[MJ]	8.12E-01	0.00E+00	3.31E+00	2.59E+00	1.40E-01	6.11E-01	0.00E+00	0.00E+00	-3.03E-01	-3.03E-01	3.03E-01	3.03E-01
PENRT	[MJ]	1.24E+01	2.92E-01	4.00E+00	1.65E+01	2.78E-01	6.85E+00	5.19E-02	5.50E-02	8.97E-02	8.85E-02	-3.54E+00	-4.36E+00
SM	[kg]	1.67E-03	0.00E+00	8.03E-02	5.00E-05	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	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	[m³]	8.08E-03	2.32E-05	5.26E-04	3.00E-02	3.65E-04	3.40E-03	4.12E-06	4.37E-06	5.05E-04	2.57E-04	-4.50E-04	-5.49E-04
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 PRODUCT PER FU (1kg) Ash 1-strip engineered 3-layer wood flooring (lacquered)													
Parameter	Unit	A1-A3	A4	A5 (1)	A5 (2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
HWD	[kg]	6.64E-09	9.03E-13	2.25E-10	1.99E-10	-3.51E-14	-7.88E-10	1.61E-13	1.70E-13	-3.02E-12	1.35E-12	2.88E-10	3.59E-10
NHWD	[kg]	2.33E-02	4.44E-05	1.55E-03	1.29E-03	5.64E-05	1.76E-02	7.91E-06	8.39E-06	4.39E-03	4.06E-03	-2.58E-03	-3.20E-03
RWD	[kg]	7.56E-05	5.46E-07	1.35E-05	2.63E-06	4.71E-08	2.25E-04	9.71E-08	1.03E-07	1.68E-06	1.47E-06	-6.20E-05	-7.55E-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]	5.41E-03	0.00E+00	1.62E-04	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-01	8.13E-01	0.00E+00	0.00E+00
MER	[kg]	6.84E-01	0.00E+00	2.05E-02	2.05E-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
EEE	[MJ]	1.01E-02	0.00E+00	1.22E-01	1.22E-01	0.00E+00	4.83E-01	0.00E+00	0.00E+00	4.32E-01	2.07E-01	8.59E-03	8.59E-03
EET	[MJ]	4.05E+00	0.00E+00	6.46E-01	6.46E-01	0.00E+00	2.08E+00	0.00E+00	0.00E+00	1.84E+00	8.51E-01	3.65E-02	3.65E-02
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												



Results for: Oak 1-strip engineered 3-layer wood flooring Q-LOC (5G) 15 mm (oiled) and Oak 1-strip engineered 3-layer wood flooring T/G 22 mm (oiled).

ENVIRONMENTAL EFFECTS PER PRODUCT PER FU (1kg) Oak 1-strip engineered 3-layer wood flooring (oiled)													
Parameter	Unit	A1-A3	A4	A5 (1)	A5 (2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
GWP	[kg CO2-eq.]	-9.84E-01	2.10E-02	6.34E-02	8.43E-01	1.63E-01	4.20E-01	3.73E-03	3.95E-03	1.50E+00	1.41E+00	-1.52E+00	-1.56E+00
ODP	[kg CFC11-eq.]	6.15E-08	3.27E-15	2.05E-09	4.07E-07	1.51E-08	1.62E-09	5.80E-16	6.14E-16	2.82E-14	2.42E-14	-1.16E-12	-1.44E-12
AP	[kg SO2-eq.]	3.31E-03	2.24E-05	1.67E-04	3.63E-03	1.33E-03	3.88E-04	3.98E-06	4.21E-06	4.55E-05	7.93E-05	-1.59E-04	-1.88E-04
EP	[kg PO43--eq.]	1.50E-03	4.90E-06	7.64E-05	1.61E-03	1.66E-03	2.36E-04	8.70E-07	9.22E-07	1.01E-05	2.02E-05	-3.48E-05	-4.09E-05
POCP	[kg ethene-eq.]	6.09E-04	-2.21E-06	2.71E-05	4.34E-04	1.19E-04	3.31E-05	-3.93E-07	-4.16E-07	3.34E-06	5.17E-06	-1.60E-05	-1.95E-05
ADPE	[kg Sb-eq.]	2.62E-06	1.41E-09	9.44E-08	9.45E-06	1.11E-06	1.58E-07	2.50E-10	2.65E-10	2.55E-09	2.48E-09	-1.70E-08	-2.09E-08
ADPF	[MJ]	9.98E+00	2.86E-01	1.01E+00	1.44E+01	2.09E+00	1.18E+00	5.07E-02	5.38E-02	8.32E-02	8.26E-02	-3.36E+00	-4.12E+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												

RESSOURCE CONSUMPTION PER PRODUCT PER FU (1kg) Oak 1-strip engineered 3-layer wood flooring (oiled)													
Parameter	Unit	A1-A3	A4	A5 (1)	A5 (2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
PERE	[MJ]	6.64E+01	2.11E-02	2.05E+00	3.20E+00	4.57E-01	3.39E+00	3.75E-03	3.97E-03	1.34E+01	1.34E+01	-2.89E+01	-2.92E+01
PERM	[MJ]	1.67E+01	0.00E+00	5.09E-01	5.09E-01	6.21E-01	6.63E-02	0.00E+00	0.00E+00	-1.34E+01	-1.34E+01	1.34E+01	1.34E+01
PERT	[MJ]	8.31E+01	2.11E-02	2.56E+00	3.71E+00	1.08E+00	3.45E+00	3.75E-03	3.97E-03	2.20E-02	1.63E-02	-1.55E+01	-1.58E+01
PENRE	[MJ]	1.03E+01	2.91E-01	6.75E-01	1.35E+01	2.26E+00	1.58E+00	5.18E-02	5.48E-02	3.34E-01	3.33E-01	-3.78E+00	-4.58E+00
PENRM	[MJ]	7.17E-01	0.00E+00	3.22E+00	2.53E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-2.46E-01	-2.46E-01	2.46E-01	2.46E-01
PENRT	[MJ]	1.10E+01	2.91E-01	3.90E+00	1.61E+01	2.32E+00	1.58E+00	5.18E-02	5.48E-02	8.86E-02	8.73E-02	-3.53E+00	-4.33E+00
SM	[kg]	1.63E-03	0.00E+00	7.83E-02	4.88E-05	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	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	[m³]	8.19E-03	2.31E-05	6.21E-04	2.94E-02	7.15E-03	2.51E-03	4.11E-06	4.35E-06	4.92E-04	2.51E-04	-4.49E-04	-5.45E-04
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 PRODUCT PER FU (1kg) Oak 1-strip engineered 3-layer wood flooring (oiled)													
Parameter	Unit	A1-A3	A4	A5 (1)	A5 (2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
HWD	[kg]	6.40E-09	9.03E-13	2.17E-10	1.91E-10	7.69E-12	-1.18E-09	1.60E-13	1.70E-13	-2.94E-12	1.31E-12	2.87E-10	3.56E-10
NHWD	[kg]	2.15E-02	4.44E-05	1.49E-03	1.24E-03	1.60E-04	7.30E-03	7.89E-06	8.36E-06	4.28E-03	3.96E-03	-2.57E-03	-3.17E-03
RWD	[kg]	5.75E-05	5.45E-07	1.27E-05	2.13E-06	3.35E-06	1.33E-04	9.68E-08	1.03E-07	1.65E-06	1.45E-06	-6.18E-05	-7.50E-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]	5.28E-03	0.00E+00	1.58E-04	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-01	8.13E-01	0.00E+00	0.00E+00
MER	[kg]	5.28E-01	0.00E+00	1.58E-02	1.58E-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
EEE	[MJ]	9.84E-03	0.00E+00	1.21E-01	1.21E-01	0.00E+00	4.83E-01	0.00E+00	0.00E+00	4.21E-01	2.02E-01	8.38E-03	8.38E-03
EET	[MJ]	4.05E+00	0.00E+00	6.42E-01	6.42E-01	0.00E+00	2.08E+00	0.00E+00	0.00E+00	1.80E+00	8.30E-01	3.56E-02	3.56E-02
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												



Results for: Oak 1-strip engineered 3-layer wood flooring Q-LOC (5G) 15 mm (lacquered) and Oak 1-strip engineered 3-layer wood flooring T/G 22 mm (lacquered).

ENVIRONMENTAL EFFECTS PER PRODUCT PER FU (1kg)													
Oak 1-strip engineered 3-layer wood flooring (lacquered)													
Parameter	Unit	A1-A3	A4	A5 (1)	A5 (2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
GWP	[kg CO2-eq.]	-9.46E-01	2.10E-02	6.24E-02	8.42E-01	1.09E-02	6.43E-01	3.73E-03	3.95E-03	1.49E+00	1.39E+00	-1.50E+00	-1.55E+00
ODP	[kg CFC11-eq.]	5.39E-08	3.27E-15	1.62E-09	4.07E-07	5.33E-08	3.56E-12	5.80E-16	6.14E-16	2.82E-14	2.42E-14	-1.16E-12	-1.44E-12
AP	[kg SO2-eq.]	3.29E-03	2.24E-05	1.48E-04	3.62E-03	6.65E-05	5.79E-04	3.98E-06	4.21E-06	4.55E-05	7.93E-05	-1.59E-04	-1.88E-04
EP	[kg PO43--eq.]	1.30E-03	4.90E-06	4.81E-05	1.58E-03	2.29E-05	1.02E-04	8.70E-07	9.22E-07	1.01E-05	2.02E-05	-3.48E-05	-4.09E-05
POCP	[kg ethene-eq.]	6.07E-04	-2.21E-06	2.54E-05	4.32E-04	8.24E-06	7.65E-05	-3.93E-07	-4.16E-07	3.34E-06	5.17E-06	-1.60E-05	-1.95E-05
ADPE	[kg Sb-eq.]	2.52E-06	1.41E-09	7.69E-08	9.43E-06	9.36E-08	4.91E-08	2.50E-10	2.65E-10	2.55E-09	2.48E-09	-1.70E-08	-2.09E-08
ADPF	[MJ]	1.08E+01	2.86E-01	1.00E+00	1.44E+01	2.56E-01	5.99E+00	5.07E-02	5.38E-02	8.32E-02	8.26E-02	-3.36E+00	-4.12E+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												

RESSOURCE CONSUMPTION PER PRODUCT PER FU (1kg)													
Oak 1-strip engineered 3-layer wood flooring (lacquered)													
Parameter	Unit	A1-A3	A4	A5 (1)	A5 (2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
PERE	[MJ]	6.66E+01	2.11E-02	2.05E+00	3.20E+00	6.33E-03	3.93E+00	3.75E-03	3.97E-03	1.33E+01	1.33E+01	-2.87E+01	-2.91E+01
PERM	[MJ]	1.65E+01	0.00E+00	4.94E-01	4.94E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-1.32E+01	-1.32E+01	1.32E+01	1.32E+01
PERT	[MJ]	8.31E+01	2.11E-02	2.54E+00	3.70E+00	6.33E-03	3.93E+00	3.75E-03	3.97E-03	2.20E-02	1.63E-02	-1.55E+01	-1.58E+01
PENRE	[MJ]	1.11E+01	2.91E-01	6.67E-01	1.35E+01	1.34E-01	6.09E+00	5.18E-02	5.48E-02	3.84E-01	3.83E-01	-3.83E+00	-4.63E+00
PENRM	[MJ]	7.92E-01	0.00E+00	3.23E+00	2.53E+00	1.37E-01	5.96E-01	0.00E+00	0.00E+00	-2.95E-01	-2.95E-01	2.95E-01	2.95E-01
PENRT	[MJ]	1.18E+01	2.91E-01	3.89E+00	1.60E+01	2.71E-01	6.68E+00	5.18E-02	5.48E-02	8.86E-02	8.73E-02	-3.53E+00	-4.33E+00
SM	[kg]	1.63E-03	0.00E+00	7.83E-02	4.88E-05	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	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	[m³]	7.76E-03	2.31E-05	5.13E-04	2.93E-02	3.56E-04	3.34E-03	4.11E-06	4.35E-06	4.92E-04	2.51E-04	-4.49E-04	-5.45E-04
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 PRODUCT PER FU (1kg) Oak 1-strip engineered 3-layer wood flooring (lacquered)													
Parameter	Unit	A1-A3	A4	A5 (1)	A5 (2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
HWD	[kg]	6.48E-09	9.03E-13	2.20E-10	1.94E-10	-3.42E-14	-7.68E-10	1.60E-13	1.70E-13	-2.94E-12	1.31E-12	2.87E-10	3.56E-10
NHWD	[kg]	2.27E-02	4.44E-05	1.52E-03	1.27E-03	5.50E-05	1.72E-02	7.89E-06	8.36E-06	4.28E-03	3.96E-03	-2.57E-03	-3.17E-03
RWD	[kg]	7.38E-05	5.45E-07	1.31E-05	2.57E-06	4.60E-08	2.20E-04	9.68E-08	1.03E-07	1.65E-06	1.45E-06	-6.18E-05	-7.50E-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]	5.28E-03	0.00E+00	1.58E-04	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-01	8.13E-01	0.00E+00	0.00E+00
MER	[kg]	5.36E-01	0.00E+00	1.61E-02	1.61E-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
EEE	[MJ]	9.84E-03	0.00E+00	1.21E-01	1.21E-01	0.00E+00	4.83E-01	0.00E+00	0.00E+00	4.21E-01	2.02E-01	8.38E-03	8.38E-03
EET	[MJ]	4.05E+00	0.00E+00	6.42E-01	6.42E-01	0.00E+00	2.08E+00	0.00E+00	0.00E+00	1.80E+00	8.30E-01	3.56E-02	3.56E-02
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												



Results for: Douglas 1-strip engineered 3-layer wood flooring Q-LOC (5G) 15 mm (oiled) and Douglas 1-strip engineered 3-layer wood flooring T/G 22 mm (oiled).

ENVIRONMENTAL EFFECTS PER PRODUCT PER FU (1kg) Douglas 1-strip engineered 3-layer wood flooring (oiled)													
Parameter	Unit	A1-A3	A4	A5 (1)	A5 (2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
GWP	[kg CO2-eq.]	-1.02E+00	2.10E-02	6.51E-02	8.96E-01	1.73E-01	4.27E-01	3.75E-03	3.99E-03	1.51E+00	1.41E+00	-1.51E+00	-1.57E+00
ODP	[kg CFC11-eq.]	6.26E-08	3.27E-15	2.09E-09	4.34E-07	1.61E-08	1.72E-09	5.84E-16	6.20E-16	2.98E-14	2.56E-14	-1.17E-12	-1.47E-12
AP	[kg SO2-eq.]	3.30E-03	2.24E-05	1.70E-04	3.87E-03	1.41E-03	4.06E-04	4.00E-06	4.25E-06	4.80E-05	8.40E-05	-1.60E-04	-1.91E-04
EP	[kg PO43--eq.]	1.52E-03	4.91E-06	7.87E-05	1.72E-03	1.77E-03	2.49E-04	8.76E-07	9.31E-07	1.07E-05	2.15E-05	-3.51E-05	-4.16E-05
POCP	[kg ethene-eq.]	5.99E-04	-2.21E-06	2.73E-05	4.61E-04	1.27E-04	3.49E-05	-3.95E-07	-4.20E-07	3.51E-06	5.46E-06	-1.61E-05	-1.99E-05
ADPE	[kg Sb-eq.]	2.71E-06	1.41E-09	9.82E-08	1.01E-05	1.18E-06	1.68E-07	2.51E-10	2.67E-10	2.57E-09	2.49E-09	-1.72E-08	-2.13E-08
ADPF	[MJ]	9.46E+00	2.86E-01	1.04E+00	1.53E+01	2.23E+00	1.25E+00	5.11E-02	5.43E-02	8.60E-02	8.54E-02	-3.39E+00	-4.20E+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												

RESSOURCE CONSUMPTION PER PRODUCT PER FU (1kg) Douglas 1-strip engineered 3-layer wood flooring (oiled)													
Parameter	Unit	A1-A3	A4	A5 (1)	A5 (2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
PERE	[MJ]	6.55E+01	2.12E-02	2.02E+00	3.26E+00	4.87E-01	3.61E+00	3.78E-03	4.01E-03	1.34E+01	1.34E+01	-2.89E+01	-2.92E+01
PERM	[MJ]	1.67E+01	0.00E+00	5.09E-01	5.09E-01	6.62E-01	7.06E-02	0.00E+00	0.00E+00	-1.34E+01	-1.34E+01	1.34E+01	1.34E+01
PERT	[MJ]	8.21E+01	2.12E-02	2.53E+00	3.76E+00	1.15E+00	3.68E+00	3.78E-03	4.01E-03	2.32E-02	1.72E-02	-1.55E+01	-1.59E+01
PENRE	[MJ]	9.69E+00	2.92E-01	6.79E-01	1.44E+01	2.41E+00	1.68E+00	5.21E-02	5.54E-02	3.54E-01	3.52E-01	-3.83E+00	-4.68E+00
PENRM	[MJ]	7.64E-01	0.00E+00	3.44E+00	2.69E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-2.62E-01	-2.62E-01	2.62E-01	2.62E-01
PENRT	[MJ]	1.05E+01	2.92E-01	4.12E+00	1.71E+01	2.47E+00	1.68E+00	5.21E-02	5.54E-02	9.16E-02	9.03E-02	-3.56E+00	-4.42E+00
SM	[kg]	1.73E-03	0.00E+00	8.35E-02	5.20E-05	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	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	[m³]	8.38E-03	2.32E-05	6.43E-04	3.13E-02	7.62E-03	2.63E-03	4.14E-06	4.40E-06	5.24E-04	2.67E-04	-4.52E-04	-5.54E-04
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 PRODUCT PER FU (1kg) Douglas 1-strip engineered 3-layer wood flooring (oiled)													
Parameter	Unit	A1-A3	A4	A5 (1)	A5 (2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
HWD	[kg]	6.82E-09	9.03E-13	2.32E-10	2.04E-10	8.19E-12	-1.26E-09	1.61E-13	1.71E-13	-3.13E-12	1.41E-12	2.90E-10	3.63E-10
NHWD	[kg]	2.25E-02	4.45E-05	1.55E-03	1.28E-03	1.70E-04	7.63E-03	7.94E-06	8.44E-06	4.56E-03	4.23E-03	-2.59E-03	-3.24E-03
RWD	[kg]	4.57E-05	5.46E-07	1.31E-05	1.78E-06	3.57E-06	1.42E-04	9.75E-08	1.04E-07	1.72E-06	1.51E-06	-6.23E-05	-7.64E-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]	5.63E-03	0.00E+00	1.69E-04	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-01	8.13E-01	0.00E+00	0.00E+00
MER	[kg]	3.90E-01	0.00E+00	1.17E-02	1.17E-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
EEE	[MJ]	1.05E-02	0.00E+00	1.24E-01	1.24E-01	0.00E+00	4.83E-01	0.00E+00	0.00E+00	4.49E-01	2.15E-01	8.94E-03	8.94E-03
EET	[MJ]	4.05E+00	0.00E+00	6.54E-01	6.54E-01	0.00E+00	2.08E+00	0.00E+00	0.00E+00	1.92E+00	8.85E-01	3.79E-02	3.79E-02
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												



Results for: Nordic Pine 1-strip engineered 3-layer wood flooring Q-LOC (5G) 15 mm (oiled) and Nordic Pine 1-strip engineered 3-layer wood flooring T/G 22 mm (oiled).

ENVIRONMENTAL EFFECTS PER PRODUCT PER FU (1kg)													
Nordic Pine 1-strip engineered 3-layer wood flooring (oiled)													
Parameter	Unit	A1-A3	A4	A5 (1)	A5 (2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
GWP	[kg CO2-eq.]	-9.44E-01	2.10E-02	7.09E-02	9.67E-01	1.87E-01	4.37E-01	3.78E-03	4.04E-03	1.53E+00	1.42E+00	-1.51E+00	-1.57E+00
ODP	[kg CFC11-eq.]	6.50E-08	3.27E-15	2.18E-09	4.68E-07	1.74E-08	1.86E-09	5.88E-16	6.28E-16	3.18E-14	2.72E-14	-1.19E-12	-1.50E-12
AP	[kg SO2-eq.]	3.49E-03	2.25E-05	1.80E-04	4.17E-03	1.52E-03	4.29E-04	4.04E-06	4.31E-06	5.11E-05	9.00E-05	-1.62E-04	-1.95E-04
EP	[kg PO43--eq.]	1.60E-03	4.91E-06	8.34E-05	1.85E-03	1.91E-03	2.67E-04	8.83E-07	9.42E-07	1.14E-05	2.30E-05	-3.54E-05	-4.24E-05
POCP	[kg ethene-eq.]	6.30E-04	-2.22E-06	2.89E-05	4.97E-04	1.37E-04	3.71E-05	-3.98E-07	-4.25E-07	3.71E-06	5.82E-06	-1.63E-05	-2.04E-05
ADPE	[kg Sb-eq.]	2.83E-06	1.41E-09	1.03E-07	1.09E-05	1.28E-06	1.81E-07	2.53E-10	2.71E-10	2.59E-09	2.51E-09	-1.74E-08	-2.19E-08
ADPF	[MJ]	1.05E+01	2.86E-01	1.12E+00	1.65E+01	2.41E+00	1.35E+00	5.15E-02	5.49E-02	8.96E-02	8.89E-02	-3.43E+00	-4.30E+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												

RESSOURCE CONSUMPTION PER PRODUCT PER FU (1kg)													
Nordic Pine 1-strip engineered 3-layer wood flooring (oiled)													
Parameter	Unit	A1-A3	A4	A5 (1)	A5 (2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
PERE	[MJ]	7.21E+01	2.12E-02	2.22E+00	3.55E+00	5.25E-01	3.89E+00	3.81E-03	4.06E-03	1.34E+01	1.34E+01	-2.89E+01	-2.92E+01
PERM	[MJ]	1.66E+01	0.00E+00	5.09E-01	5.09E-01	7.14E-01	7.62E-02	0.00E+00	0.00E+00	-1.33E+01	-1.33E+01	1.33E+01	1.33E+01
PERT	[MJ]	8.87E+01	2.12E-02	2.73E+00	4.06E+00	1.24E+00	3.97E+00	3.81E-03	4.06E-03	2.48E-02	1.82E-02	-1.55E+01	-1.59E+01
PENRE	[MJ]	1.07E+01	2.92E-01	7.38E-01	1.55E+01	2.60E+00	1.80E+00	5.25E-02	5.60E-02	3.78E-01	3.77E-01	-3.89E+00	-4.81E+00
PENRM	[MJ]	8.24E-01	0.00E+00	3.71E+00	2.91E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-2.83E-01	-2.83E-01	2.83E-01	2.83E-01
PENRT	[MJ]	1.15E+01	2.92E-01	4.45E+00	1.84E+01	2.67E+00	1.81E+00	5.25E-02	5.60E-02	9.55E-02	9.41E-02	-3.60E+00	-4.52E+00
SM	[kg]	1.87E-03	0.00E+00	9.01E-02	5.61E-05	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	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	[m³]	8.94E-03	2.32E-05	6.80E-04	3.38E-02	8.22E-03	2.77E-03	4.17E-06	4.45E-06	5.65E-04	2.87E-04	-4.56E-04	-5.67E-04
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 PRODUCT PER FU (1kg) Nordic Pine 1-strip engineered 3-layer wood flooring (oiled)													
Parameter	Unit	A1-A3	A4	A5 (1)	A5 (2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
HWD	[kg]	7.36E-09	9.04E-13	2.50E-10	2.20E-10	8.84E-12	-1.35E-09	1.63E-13	1.73E-13	-3.37E-12	1.53E-12	2.93E-10	3.72E-10
NHWD	[kg]	2.44E-02	4.45E-05	1.65E-03	1.36E-03	1.84E-04	8.06E-03	8.00E-06	8.54E-06	4.92E-03	4.56E-03	-2.62E-03	-3.31E-03
RWD	[kg]	5.04E-05	5.47E-07	1.41E-05	1.93E-06	3.85E-06	1.53E-04	9.83E-08	1.05E-07	1.81E-06	1.58E-06	-6.29E-05	-7.81E-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]	6.07E-03	0.00E+00	1.82E-04	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-01	8.13E-01	0.00E+00	0.00E+00
MER	[kg]	5.23E-01	0.00E+00	1.57E-02	1.57E-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
EEE	[MJ]	1.13E-02	0.00E+00	1.28E-01	1.28E-01	0.00E+00	4.83E-01	0.00E+00	0.00E+00	4.84E-01	2.32E-01	9.64E-03	9.64E-03
EET	[MJ]	4.05E+00	0.00E+00	6.70E-01	6.70E-01	0.00E+00	2.08E+00	0.00E+00	0.00E+00	2.07E+00	9.54E-01	4.09E-02	4.09E-02
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												



Results for: Pitch Pine 1-strip engineered 3-layer wood flooring Q-LOC (5G) 15 mm (oiled).

ENVIRONMENTAL EFFECTS PER PRODUCT PER FU (1kg) Pitch Pine 1-strip engineered 3-layer wood flooring (oiled)													
Parameter	Unit	A1-A3	A4	A5 (1)	A5 (2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
GWP	[kg CO2-eq.]	-8.81E-01	2.10E-02	7.39E-02	9.90E-01	1.91E-01	4.39E-01	3.79E-03	4.05E-03	1.53E+00	1.42E+00	-1.51E+00	-1.57E+00
ODP	[kg CFC11-eq.]	6.57E-08	3.27E-15	2.21E-09	4.78E-07	1.78E-08	1.90E-09	5.90E-16	6.30E-16	3.24E-14	2.77E-14	-1.19E-12	-1.51E-12
AP	[kg SO2-eq.]	4.47E-03	2.25E-05	2.10E-04	4.28E-03	1.56E-03	4.36E-04	4.04E-06	4.32E-06	5.21E-05	9.18E-05	-1.62E-04	-1.96E-04
EP	[kg PO43--eq.]	1.77E-03	4.91E-06	8.91E-05	1.90E-03	1.96E-03	2.72E-04	8.85E-07	9.45E-07	1.16E-05	2.35E-05	-3.54E-05	-4.26E-05
POCP	[kg ethene-eq.]	6.70E-04	-2.22E-06	3.03E-05	5.09E-04	1.40E-04	3.77E-05	-3.99E-07	-4.27E-07	3.77E-06	5.92E-06	-1.63E-05	-2.05E-05
ADPE	[kg Sb-eq.]	2.88E-06	1.41E-09	1.05E-07	1.11E-05	1.30E-06	1.85E-07	2.54E-10	2.72E-10	2.59E-09	2.51E-09	-1.74E-08	-2.20E-08
ADPF	[MJ]	1.15E+01	2.86E-01	1.17E+00	1.69E+01	2.46E+00	1.37E+00	5.16E-02	5.51E-02	9.07E-02	9.00E-02	-3.44E+00	-4.33E+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												

RESSOURCE CONSUMPTION PER PRODUCT PER FU (1kg) Pitch Pine 1-strip engineered 3-layer wood flooring (oiled)													
Parameter	Unit	A1-A3	A4	A5 (1)	A5 (2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
PERE	[MJ]	7.76E+01	2.12E-02	2.39E+00	3.75E+00	5.37E-01	3.97E+00	3.82E-03	4.08E-03	1.34E+01	1.34E+01	-2.89E+01	-2.92E+01
PERM	[MJ]	1.66E+01	0.00E+00	5.08E-01	5.08E-01	7.30E-01	7.79E-02	0.00E+00	0.00E+00	-1.33E+01	-1.33E+01	1.33E+01	1.33E+01
PERT	[MJ]	9.42E+01	2.12E-02	2.90E+00	4.26E+00	1.27E+00	4.05E+00	3.82E-03	4.08E-03	2.52E-02	1.85E-02	-1.55E+01	-1.59E+01
PENRE	[MJ]	1.16E+01	2.92E-01	7.73E-01	1.59E+01	2.66E+00	1.84E+00	5.26E-02	5.62E-02	3.85E-01	3.84E-01	-3.91E+00	-4.85E+00
PENRM	[MJ]	8.42E-01	0.00E+00	3.79E+00	2.97E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-2.89E-01	-2.89E-01	2.89E-01	2.89E-01
PENRT	[MJ]	1.24E+01	2.92E-01	4.56E+00	1.88E+01	2.72E+00	1.84E+00	5.26E-02	5.62E-02	9.67E-02	9.52E-02	-3.62E+00	-4.56E+00
SM	[kg]	1.91E-03	0.00E+00	9.20E-02	5.73E-05	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	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	[m³]	9.02E-03	2.32E-05	6.89E-04	3.45E-02	8.40E-03	2.81E-03	4.18E-06	4.47E-06	5.77E-04	2.93E-04	-4.58E-04	-5.70E-04
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 PRODUCT PER FU (1kg) Pitch Pine 1-strip engineered 3-layer wood flooring (oiled)													
Parameter	Unit	A1-A3	A4	A5 (1)	A5 (2)	B2	B3	C2 (1)	C2 (2)	C3 (1)	C3 (2)	D (1)	D (2)
HWD	[kg]	7.52E-09	9.05E-13	2.56E-10	2.25E-10	9.03E-12	-1.38E-09	1.63E-13	1.74E-13	-3.44E-12	1.56E-12	2.94E-10	3.75E-10
NHWD	[kg]	2.50E-02	4.45E-05	1.68E-03	1.38E-03	1.88E-04	8.18E-03	8.02E-06	8.57E-06	5.03E-03	4.66E-03	-2.63E-03	-3.34E-03
RWD	[kg]	5.21E-05	5.47E-07	1.44E-05	1.99E-06	3.93E-06	1.56E-04	9.85E-08	1.05E-07	1.84E-06	1.61E-06	-6.31E-05	-7.86E-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]	6.20E-03	0.00E+00	1.86E-04	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-01	8.13E-01	0.00E+00	0.00E+00
MER	[kg]	6.62E-01	0.00E+00	1.99E-02	1.99E-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
EEE	[MJ]	1.16E-02	0.00E+00	1.29E-01	1.29E-01	0.00E+00	4.83E-01	0.00E+00	0.00E+00	4.95E-01	2.37E-01	9.85E-03	9.85E-03
EET	[MJ]	4.05E+00	0.00E+00	6.74E-01	6.74E-01	0.00E+00	2.08E+00	0.00E+00	0.00E+00	2.11E+00	9.75E-01	4.18E-02	4.18E-02
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												

Checked and approved by

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