

This appendix refers to the EPD MD-21092-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.

Product name: Ultra Board

ENVIRONMENTAL EFFECTS PER PRODUKT PER M ²								
Parameter	Enhed	A1-A3	A4	C1	C2	C3	C4	D
GWP	[kg CO2-eq.]	2.41E+00	2.71E-01	0.00E+00	2.25E-01	6.54E-02	5.74E-01	-2.08E-01
ODP	[kg CFC11-eq.]	1.11E-08	7.26E-17	0.00E+00	6.04E-17	2.11E-15	1.47E-16	-3.26E-15
AP	[kg SO2-eq.]	5.94E-03	2.19E-04	0.00E+00	1.82E-04	1.11E-04	1.11E-04	-2.54E-04
EP	[kg PO43--eq.]	1.88E-03	4.33E-05	0.00E+00	3.60E-05	1.46E-05	2.22E-05	-4.27E-05
POCP	[kg ethene-eq.]	9.73E-04	-4.31E-06	0.00E+00	-3.59E-06	9.34E-06	7.73E-06	-2.61E-05
ADPE	[kg Sb-eq.]	3.45E-06	2.45E-08	0.00E+00	2.04E-08	2.06E-08	1.75E-09	-3.73E-08
ADPF	[MJ]	5.99E+01	3.64E+00	0.00E+00	3.03E+00	7.29E-01	1.59E-01	-2.97E+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 PRODUKT PER M ²								
Parameter	Enhed	A1-A3	A4	C1	C2	C3	C4	D
PERE	[MJ]	6.37E+00	2.11E-01	0.00E+00	1.76E-01	5.43E-01	3.47E-02	-8.29E-01
PERM	[MJ]	8.85E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PERT	[MJ]	1.52E+01	2.11E-01	0.00E+00	1.76E-01	5.43E-01	3.47E-02	-8.29E-01
PENRE	[MJ]	4.77E+01	3.69E+00	0.00E+00	3.07E+00	1.18E+00	1.83E-01	-3.64E+00
PENRM	[MJ]	1.41E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PENRT	[MJ]	6.18E+01	3.69E+00	0.00E+00	3.07E+00	1.18E+00	1.83E-01	-3.64E+00
SM	[kg]	8.33E+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]	3.11E-02	2.42E-04	0.00E+00	2.01E-04	5.29E-04	1.67E-03	-7.95E-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 PRODUKT PER M ²								
Parameter	Enhed	A1-A3	A4	C1	C2	C3	C4	D
HWD	[kg]	2.27E-06	1.94E-10	0.00E+00	1.62E-10	3.12E-10	3.39E-11	-8.11E-10
NHWD	[kg]	3.64E-02	5.79E-04	0.00E+00	4.81E-04	8.36E-04	1.80E-02	-1.70E-03
RWD	[kg]	6.22E-04	6.69E-06	0.00E+00	5.56E-06	1.76E-04	9.28E-06	-2.59E-04
CRU	[kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MFR	[kg]	6.68E-03	0.00E+00	0.00E+00	0.00E+00	1.46E+01	0.00E+00	0.00E+00
MER	[kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-01	0.00E+00	0.00E+00
EEE	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.69E-01
EET	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E+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							

Checked and approved by

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