

This appendix refers to the EPD MD-21096-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: Perforated Knauf Danoline: Plaza, Belgravia, Visona, Danoloft and Amfipanel

ENVIRONMENTAL EFFECTS PER PRODUKT PER M ²								
Parameter	Enhed	A1-A3	A4	C1	C2	C3	C4	D
GWP	[kg CO2-eq.]	1.85E+00	1.73E-01	0.00E+00	1.42E-01	4.12E-02	9.86E-01	-3.10E-01
ODP	[kg CFC11-eq.]	2.41E-08	4.64E-17	0.00E+00	3.81E-17	1.33E-15	3.06E-16	-4.78E-15
AP	[kg SO2-eq.]	8.40E-03	1.40E-04	0.00E+00	1.15E-04	7.00E-05	2.69E-04	-3.43E-04
EP	[kg PO43--eq.]	1.96E-03	2.77E-05	0.00E+00	2.27E-05	9.22E-06	5.27E-05	-5.40E-05
POCP	[kg ethene-eq.]	6.98E-04	-2.76E-06	0.00E+00	-2.26E-06	5.89E-06	1.75E-05	-3.53E-05
ADPE	[kg Sb-eq.]	4.92E-06	1.57E-08	0.00E+00	1.28E-08	1.30E-08	3.61E-09	-5.48E-08
ADPF	[MJ]	5.01E+01	2.33E+00	0.00E+00	1.91E+00	4.60E-01	3.39E-01	-4.43E+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]	-3.89E+01	1.35E-01	0.00E+00	1.11E-01	3.43E-01	7.06E-02	-1.23E+00
PERM	[MJ]	6.44E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PERT	[MJ]	2.54E+01	1.35E-01	0.00E+00	1.11E-01	3.43E-01	7.06E-02	-1.23E+00
PENRE	[MJ]	4.76E+01	2.36E+00	0.00E+00	1.93E+00	7.44E-01	3.85E-01	-5.44E+00
PENRM	[MJ]	4.87E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PENRT	[MJ]	5.25E+01	2.36E+00	0.00E+00	1.93E+00	7.44E-01	3.85E-01	-5.44E+00
SM	[kg]	6.39E+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]	2.64E-02	1.55E-04	0.00E+00	1.27E-04	3.34E-04	2.89E-03	-1.19E-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							

WASTE CATEGORIES AND OUTPUT FLOWS PER PRODUKT PER M ²								
Parameter	Enhed	A1-A3	A4	C1	C2	C3	C4	D
HWD	[kg]	3.75E-06	1.24E-10	0.00E+00	1.02E-10	1.97E-10	7.10E-11	-1.22E-09
NHWD	[kg]	5.10E-02	3.70E-04	0.00E+00	3.04E-04	5.27E-04	7.62E-02	-2.54E-03
RWD	[kg]	7.44E-04	4.28E-06	0.00E+00	3.51E-06	1.11E-04	1.77E-05	-3.90E-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]	1.40E-01	0.00E+00	0.00E+00	0.00E+00	8.73E+00	0.00E+00	0.00E+00
MER	[kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-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	1.32E+00
EET	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E+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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