

This appendix refers to the EPD MD-21095-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: Unperforated Knauf Danoline: Plaza, Belgravia, Visona and Amfipanel

ENVIRONMENTAL EFFECTS PER PRODUKT PER M ²								
Parameter	Enhed	A1-A3	A4	C1	C2	C3	C4	D
GWP	[kg CO2-eq.]	1.56E+00	1.71E-01	0.00E+00	1.40E-01	4.07E-02	8.37E-01	-2.71E-01
ODP	[kg CFC11-eq.]	2.32E-08	4.59E-17	0.00E+00	3.76E-17	1.32E-15	2.49E-16	-4.19E-15
AP	[kg SO2-eq.]	7.64E-03	1.39E-04	0.00E+00	1.14E-04	6.92E-05	2.13E-04	-3.03E-04
EP	[kg PO43--eq.]	1.75E-03	2.74E-05	0.00E+00	2.25E-05	9.10E-06	4.19E-05	-4.81E-05
POCP	[kg ethene-eq.]	5.96E-04	-2.72E-06	0.00E+00	-2.23E-06	5.82E-06	1.40E-05	-3.12E-05
ADPE	[kg Sb-eq.]	4.49E-06	1.55E-08	0.00E+00	1.27E-08	1.28E-08	2.95E-09	-4.80E-08
ADPF	[MJ]	4.24E+01	2.30E+00	0.00E+00	1.88E+00	4.54E-01	2.75E-01	-3.88E+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]	-4.13E+01	1.34E-01	0.00E+00	1.10E-01	3.38E-01	5.78E-02	-1.07E+00
PERM	[MJ]	6.41E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PERT	[MJ]	2.28E+01	1.34E-01	0.00E+00	1.10E-01	3.38E-01	5.78E-02	-1.07E+00
PENRE	[MJ]	4.06E+01	2.33E+00	0.00E+00	1.91E+00	7.34E-01	3.13E-01	-4.76E+00
PENRM	[MJ]	3.99E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PENRT	[MJ]	4.46E+01	2.33E+00	0.00E+00	1.91E+00	7.34E-01	3.13E-01	-4.76E+00
SM	[kg]	5.63E+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]	2.36E-02	1.53E-04	0.00E+00	1.25E-04	3.29E-04	2.45E-03	-1.04E-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]	3.14E-06	1.23E-10	0.00E+00	1.01E-10	1.94E-10	5.78E-11	-1.06E-09
NHWD	[kg]	3.83E-02	3.66E-04	0.00E+00	3.00E-04	5.21E-04	5.58E-02	-2.22E-03
RWD	[kg]	6.65E-04	4.23E-06	0.00E+00	3.47E-06	1.09E-04	1.47E-05	-3.41E-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]	7.98E-02	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	6.15E-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	1.15E+00
EET	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E+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

Ninkie Bendtsen
Third party verifier of MD-21087-EN

Martha Katrine Sørensen
EPD Danmark