

This appendix refers to the EPD MD-21097-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 Markant, Contur and Danopanel

ENVIRONMENTAL EFFECTS PER PRODUKT PER M ²								
Parameter	Enhed	A1-A3	A4	C1	C2	C3	C4	D
GWP	[kg CO2-eq.]	2.27E+00	1.94E-01	0.00E+00	1.59E-01	4.62E-02	8.97E-01	-7.16E-01
ODP	[kg CFC11-eq.]	2.39E-08	5.21E-17	0.00E+00	4.26E-17	1.49E-15	2.65E-16	-1.83E-15
AP	[kg SO2-eq.]	9.43E-03	1.57E-04	0.00E+00	1.29E-04	7.84E-05	2.25E-04	-1.31E-03
EP	[kg PO43--eq.]	2.02E-03	3.11E-05	0.00E+00	2.55E-05	1.03E-05	4.43E-05	-1.33E-04
POCP	[kg ethene-eq.]	8.23E-04	-3.09E-06	0.00E+00	-2.53E-06	6.59E-06	1.48E-05	-1.61E-04
ADPE	[kg Sb-eq.]	4.76E-06	1.76E-08	0.00E+00	1.44E-08	1.45E-08	3.13E-09	-4.23E-08
ADPF	[MJ]	5.17E+01	2.61E+00	0.00E+00	2.14E+00	5.15E-01	2.92E-01	-7.41E+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]	-4.58E+01	1.52E-01	0.00E+00	1.24E-01	3.84E-01	6.15E-02	-7.58E-01
PERM	[MJ]	7.14E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PERT	[MJ]	2.55E+01	1.52E-01	0.00E+00	1.24E-01	3.84E-01	6.15E-02	-7.58E-01
PENRE	[MJ]	5.00E+01	2.65E+00	0.00E+00	2.17E+00	8.32E-01	3.32E-01	-8.31E+00
PENRM	[MJ]	4.27E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PENRT	[MJ]	5.42E+01	2.65E+00	0.00E+00	2.17E+00	8.32E-01	3.32E-01	-8.31E+00
SM	[kg]	6.29E+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]	2.57E-02	1.74E-04	0.00E+00	1.42E-04	3.73E-04	2.62E-03	-1.41E-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]	3.35E-06	1.39E-10	0.00E+00	1.14E-10	2.20E-10	6.14E-11	-7.63E-10
NHWD	[kg]	4.89E-02	4.15E-04	0.00E+00	3.40E-04	5.90E-04	5.78E-02	-8.63E-03
RWD	[kg]	7.54E-04	4.80E-06	0.00E+00	3.93E-06	1.24E-04	1.56E-05	-3.16E-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]	8.48E-02	0.00E+00	0.00E+00	0.00E+00	9.93E+00	0.00E+00	0.00E+00
MER	[kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-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	1.24E+00
EET	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E+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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