

Environmental Profile

This LCA is calculated according to: ISO 14044, ISO 14040 and EN 15804

Ecochain v4.3.1



Product: 3060847 - Ventilation for pressure infiltration
Unit: 1 piece
Manufacturer: Wavin - SE - Eskilstuna - Verified

LCA standard: EN15804+A2 (2019)
Standard database: Worldwide - Ecoinvent v 3.6 Cut-Off
Externally verified: Yes



Issue date: 29-11-2024
End of validity: 29-11-2029
Verifier: Martijn van Hövell - SGS Search

This LCA was evaluated according to EN15804+A2. It was concluded that the LCA complies with this standard.

The LCA background information and project dossier have been registered in the online Ecochain application in the account Wavin - SE - Eskilstuna - Verified (2020). (☑ = module declared, MND = module not declared).

A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
☑	☑	☑	MND	MND	MND	MND	MND	MND	MND	MND	MND	MND	☑	☑	☑	☑
Product stage					Use stage							End-of-Life stage				
A1 Raw material supply A2 Transport A3 Manufacturing					B1 Use B2 Maintenance B3 Repair B4 Replacement B5 Refurbishment B6 Operational energy use B7 Operational water use							C1 De-construction demolition C2 Transport C3 Waste processing C4 Disposal				
Construction process stage					Benefits and loads beyond the system boundaries											
A4 Transport gate to site					D Reuse- Recovery- Recycling- potential											
A5 Assembly / Construction installation process																

Results

Environmental impact	Unit	A1	A2	A3	A1-A3	C2	C3	C4	D	Total
GWP-total	kg CO2 eq	3.297E+1	2.096E+0	9.068E-1	3.597E+1	3.824E-1	1.244E+1	2.114E-1	-1.954E+1	2.947E+1
GWP-f	kg CO2 eq	3.289E+1	2.094E+0	7.489E-1	3.574E+1	3.821E-1	1.244E+1	2.114E-1	-1.950E+1	2.927E+1
GWP-b	kg CO2 eq	6.356E-2	6.039E-4	7.088E-2	1.350E-1	1.464E-4	3.645E-3	1.272E-5	-3.310E-2	1.057E-1
GWP-luluc	kg CO2 eq	1.434E-2	1.221E-3	8.706E-2	1.026E-1	1.353E-4	2.153E-3	3.084E-6	-7.214E-3	9.770E-2
ODP	kg CFC11 eq	1.062E-6	4.341E-7	8.482E-8	1.581E-6	8.807E-8	2.810E-7	4.520E-9	-9.801E-7	9.744E-7
AP	mol H+ eq	1.257E-1	4.951E-2	6.343E-3	1.816E-1	2.177E-3	1.181E-2	1.080E-4	-5.767E-2	1.380E-1
EP-fw	kg P eq	6.976E-4	1.275E-5	1.382E-5	7.242E-4	3.145E-6	6.222E-5	1.414E-7	-3.896E-4	4.000E-4
EP-m	kg N eq	2.143E-2	1.259E-2	1.880E-3	3.591E-2	7.790E-4	3.435E-3	7.588E-5	-1.047E-2	2.973E-2
EP-T	mol N eq	2.429E-1	1.399E-1	2.063E-2	4.034E-1	8.584E-3	3.780E-2	4.382E-4	-1.157E-1	3.345E-1
POCP	kg NMVOC eq	1.101E-1	3.666E-2	5.729E-3	1.525E-1	2.454E-3	1.194E-2	1.716E-4	-6.501E-2	1.020E-1
ADP-mm	kg Sb eq	4.371E-4	2.803E-5	2.253E-5	4.877E-4	9.887E-6	4.679E-5	1.088E-7	-1.271E-4	4.173E-4
ADP-f	MJ	1.074E+3	2.836E+1	7.440E+0	1.110E+3	5.867E+0	3.737E+1	3.302E-1	-5.829E+2	5.704E+2
WDP	m3 depriv.	2.475E+1	6.362E-2	4.795E+0	2.961E+1	1.800E-2	7.319E-1	1.673E-3	-1.640E+1	1.397E+1
PM	disease inc.	1.043E-6	1.054E-7	1.070E-7	1.255E-6	3.450E-8	1.942E-7	2.269E-9	-4.181E-7	1.068E-6
IR	kBq U-235 eq	8.944E-1	1.206E-1	2.213E-2	1.037E+0	2.564E-2	1.128E-1	1.536E-3	-5.564E-1	6.206E-1
ETP-fw	CTUe	2.516E+2	2.086E+1	2.074E+1	2.933E+2	4.764E+0	4.252E+1	2.909E-1	-9.742E+1	2.434E+2
HTP-c	CTUh	1.191E-8	1.096E-9	8.194E-10	1.383E-8	1.695E-10	5.112E-9	8.138E-12	-3.760E-9	1.536E-8
HTP-nc	CTUh	2.503E-7	1.942E-8	2.234E-8	2.920E-7	5.679E-9	6.393E-8	1.857E-10	-7.870E-8	2.831E-7
SQP	Pt	6.674E+1	1.152E+1	9.783E-1	7.924E+1	5.019E+0	2.991E+1	8.466E-1	-2.317E+1	9.184E+1
Resource use	Unit	A1	A2	A3	A1-A3	C2	C3	C4	D	Total
PERE	MJ	2.445E+1	2.518E-1	4.693E+1	7.163E+1	8.416E-2	1.846E+0	1.298E-2	-1.261E+1	6.096E+1
PERM	MJ	0	0	0	0	0	0	0	0	0
PERT	MJ	2.445E+1	2.518E-1	4.693E+1	7.163E+1	8.416E-2	1.846E+0	1.298E-2	-1.261E+1	6.096E+1
PENRE	MJ	1.152E+3	3.011E+1	7.902E+0	1.190E+3	6.228E+0	3.981E+1	3.503E-1	-6.280E+2	6.085E+2
PENRM	MJ	0	0	0	0	0	0	0	0	0
PENRT	MJ	1.152E+3	3.011E+1	7.902E+0	1.190E+3	6.228E+0	3.981E+1	3.503E-1	-6.280E+2	6.085E+2
PET	MJ	1.177E+3	3.037E+1	5.483E+1	1.262E+3	6.312E+0	4.165E+1	3.633E-1	-6.406E+2	6.695E+2
SM	kg	0	0	0	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0	0	0	0
FW	m3	4.070E-1	2.208E-3	1.139E-1	5.231E-1	6.639E-4	2.154E-2	4.074E-4	-2.338E-1	3.119E-1

Output flows and waste categories	Unit	A1	A2	A3	A1-A3	C2	C3	C4	D	Total
HWD	kg	2.605E-4	4.291E-5	1.133E-5	3.148E-4	1.500E-5	6.105E-5	3.978E-7	-1.779E-4	2.133E-4
NHWD	kg	1.560E+0	7.072E-1	3.473E-2	2.302E+0	3.636E-1	1.838E+0	1.453E+0	-5.758E-1	5.381E+0
RWD	kg	7.928E-4	1.932E-4	3.148E-5	1.018E-3	3.990E-5	1.429E-4	2.157E-6	-4.775E-4	7.250E-4
CRU	kg	0	0	0	0	0	0	0	0	0
MFR	kg	0	0	0	0	0	0	0	0	0
MER	kg	0	0	0	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0	0	0	0
Others	Unit	A1	A2	A3	A1-A3	C2	C3	C4	D	Total
BIO-C-Product	kg C	0	0	0	0	0	0	0	0	0
BIO-C-Packaging	kg C	5.314E-7	0	0	5.314E-7	0	0	0	0	5.314E-7



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