Environmental Profile

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

Ecochain v3.5.64



Product: 3062954 - Tegra 1000x160 TP4 45° Right BQ 4,5

Unit: 1 Piece

Manufacturer: Wavin - SE - Eskilstuna

Wavin Tegra 1000 PP can be installed in sewer- and rainwater applications. The manhole system consist of a base with different flow profiles and connections as well as a shaft pipe and cone. Tegra 1000 PP can be installed in heavy traffic area according to LM 1 (DIN EN 1991-2/NA) former SLW60.

LCA standard: EN15804+A2 (2019)

Standard database: Worldwide - Ecoinvent v 3.6 Cut-Off

Externally verified: Yes

Issue date: 20-06-2022 End of validity: 20-06-2027

Verifier: Harry van Ewijk - SGS Search



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 (2020). (= module declared, MND = module not declared).

A1	A2	А3	A4	A5	B1	B2	B3	B4	B5	В6	В7	C1	C2	C3	C4	D	
MND	MND	\square	MND	MND	MND	MND	MND	MND	MND	MND	MND	MND			$\overline{\square}$	Ø	
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						C1 De-construction demolition C2 Transport C3 Waste processing							
Construction process stage					B6 Operational energy use B7 Operational water use						C4 Disposal						
A4 Transport gate to site					-							Benefits and loads beyond the system boundaries					
A5 Assembly / Construction installation process												D Reuse- Recovery- Recycling- potential					

Environmental impacts and parameters

GWP-total = EF Climate Change [kg CO2 eq]; GWP-f = EF Climate change - Fossil [kg CO2 eq]; GWP-b = EF Climate Change - Land use and LU change [kg CO2 eq]; GWP-m = EF Climate Change - Biogenic [kg CO2 eq]; GWP-b = EF Climate Change - Land use and LU change [kg CO2 eq]; GWP-m = EF Climate Change - Biogenic [kg CO2 eq]; GWP-b = EF Climate Change - Land use and LU change [kg CO2 eq]; GWP-m = EF Climate Change - Land use and LU change [kg CO2 eq]; GWP-b = EF Climate Change - Land use and LU change [kg CO2 eq]; GWP-f = EF Climate Change - Land use [kg CO2 eq]; GWP-b = EF Climate Change - Land us

Statement of Confidentiality

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Results

Environmental impact	Unit	A3	A1-A3	C2	C3	C4	D	Total
GWP-total	kg CO2 eq	4.26E+0	4.26E+0	0	0	0	0	4.26E+0
GWP-f	kg CO2 eq	3.09E+0	3.09E+0	0	0	0	0	3.09E+0
GWP-b	kg CO2 eq	8.12E-1	8.12E-1	0	0	0	0	8.12E-1
GWP-luluc	kg CO2 eq	3.59E-1	3.59E-1	0	0	0	0	3.59E-1
ODP	kg CFC11 eq	3.50E-7	3.50E-7	0	0	0	0	3.50E-7
AP	mol H+ eq	2.62E-2	2.62E-2	0	0	0	0	2.62E-2
EP-fw	kg P eq	5.70E-5	5.70E-5	0	0	0	0	5.70E-5
EP-m	kg N eq	7.75E-3	7.75E-3	0	0	0	0	7.75E-3
EP-T	mol N eq	8.51E-2	8.51E-2	0	0	0	0	8.51E-2
POCP	kg NMVOC eq	2.36E-2	2.36E-2	0	0	0	0	2.36E-2
ADP-mm	kg Sb eq	9.29E-5	9.29E-5	0	0	0	0	9.29E-5
ADP-f	МЈ	3.07E+1	3.07E+1	0	0	0	0	3.07E+1
WDP	m3 depriv.	1.98E+1	1.98E+1	0	0	0	0	1.98E+1
PM	disease inc.	4.41E-7	4.41E-7	0	0	0	0	4.41E-7
IR	kBq U-235 eq	9.12E-2	9.12E-2	0	0	0	0	9.12E-2
ETP-fw	CTUe	8.56E+1	8.56E+1	0	0	0	0	8.56E+1
HTP-c	CTUh	3.38E-9	3.38E-9	0	0	0	0	3.38E-9
HTP-nc	CTUh	9.21E-8	9.21E-8	0	0	0	0	9.21E-8
SQP	Pt	4.03E+0	4.03E+0	0	0	0	0	4.03E+0
Resource use	Unit	А3	A1-A3	C2	C3	C4	D	Total
PERE	МЈ	1.94E+2	1.94E+2	0	0	0	0	1.94E+2
PERM	МЈ	0	0	0	0	0	0	0
PERT	МЈ	1.94E+2	1.94E+2	0	0	0	0	1.94E+2
PENRE	МЈ	3.26E+1	3.26E+1	0	0	0	0	3.26E+1
PENRM	МЈ	0	0	0	0	0	0	0
PENRT	МЈ	3.26E+1	3.26E+1	0	0	0	0	3.26E+1
PET	МЈ	2.26E+2	2.26E+2	0	0	0	0	2.26E+2
SM	kg	0	0	0	0	0	0	0
RSF	МЈ	0	0	0	0	0	0	0
NRSF	МЈ	0	0	0	0	0	0	0
FW	m3	4.70E-1	4.70E-1	0	0	0	0	4.70E-1

Output flows and waste categor	ries Unit	A3	A1-A3	C2	C3	C4	D	Total
HWD	kg	4.67E-5	4.67E-5	0	0	0	0	4.67E-5
NHWD	kg	1.43E-1	1.43E-1	0	0	0	0	1.43E-1
RWD	kg	1.30E-4	1.30E-4	0	0	0	0	1.30E-4
CRU	kg	0	0	0	0	0	0	0
MFR	kg	0	0	0	0	0	0	0
MER	kg	0	0	0	0	0	0	0
EE	МЈ	0	0	0	0	0	0	0
EET	МЈ	0	0	0	0	0	0	0
EEE	МЈ	0	0	0	0	0	0	0



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