## **Environmental Profile**

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

Ecochain v3.5.64



Product: 3062936 - TEGRA 1000X250 TP4 45° GLAT BQ4,5°

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	5.38E+0	5.38E+0	0	0	0	0	5.38E+0
GWP-f	kg CO2 eq	3.90E+0	3.90E+0	0	0	0	0	3.90E+0
GWP-b	kg CO2 eq	1.03E+0	1.03E+0	0	0	0	0	1.03E+0
GWP-luluc	kg CO2 eq	4.54E-1	4.54E-1	0	0	0	0	4.54E-1
ODP	kg CFC11 eq	4.42E-7	4.42E-7	0	0	0	0	4.42E-7
AP	mol H+ eq	3.31E-2	3.31E-2	0	0	0	0	3.31E-2
EP-fw	kg P eq	7.20E-5	7.20E-5	0	0	0	0	7.20E-5
EP-m	kg N eq	9.80E-3	9.80E-3	0	0	0	0	9.80E-3
EP-T	mol N eq	1.08E-1	1.08E-1	0	0	0	0	1.08E-1
POCP	kg NMVOC eq	2.99E-2	2.99E-2	0	0	0	0	2.99E-2
ADP-mm	kg Sb eq	1.17E-4	1.17E-4	0	0	0	0	1.17E-4
ADP-f	МЈ	3.88E+1	3.88E+1	0	0	0	0	3.88E+1
WDP	m3 depriv.	2.50E+1	2.50E+1	0	0	0	0	2.50E+1
PM	disease inc.	5.58E-7	5.58E-7	0	0	0	0	5.58E-7
IR	kBq U-235 eq	1.15E-1	1.15E-1	0	0	0	0	1.15E-1
ETP-fw	CTUe	1.08E+2	1.08E+2	0	0	0	0	1.08E+2
HTP-c	CTUh	4.27E-9	4.27E-9	0	0	0	0	4.27E-9
HTP-nc	CTUh	1.16E-7	1.16E-7	0	0	0	0	1.16E-7
SQP	Pt	5.10E+0	5.10E+0	0	0	0	0	5.10E+0
Resource use	Unit	A3	A1-A3	C2	C3	C4	D	Total
PERE	МЈ	2.45E+2	2.45E+2	0	0	0	0	2.45E+2
PERM	МЈ	0	0	0	0	0	0	0
PERT	МЈ	2.45E+2	2.45E+2	0	0	0	0	2.45E+2
PENRE	МЈ	4.12E+1	4.12E+1	0	0	0	0	4.12E+1
PENRM	МЈ	0	0	0	0	0	0	0
PENRT	МЈ	4.12E+1	4.12E+1	0	0	0	0	4.12E+1
PET	МЈ	2.86E+2	2.86E+2	0	0	0	0	2.86E+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	5.94E-1	5.94E-1	0	0	0	0	5.94E-1

Output flows and waste categories	Unit	A3	A1-A3	C2	C3	C4	D	Total
HWD	kg	5.91E-5	5.91E-5	0	0	0	0	5.91E-5
NHWD	kg	1.81E-1	1.81E-1	0	0	0	0	1.81E-1
RWD	kg	1.64E-4	1.64E-4	0	0	0	0	1.64E-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	MJ	0	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0	0



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