## Environmental Profile

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

## Ecochain

| Product: | 3020595 - Wafix PP Bend $45^{\circ}$ WT $50 \mathrm{~S} / \mathrm{S}$ |
| :--- | :--- |
| Unit: | 1 piece |
| Manufacturer: | Wavin - PL-Buk - Extra products |

Wavin - PL -Buk - Extra products
Wafix PP is a versatile, uncomplicated solution for your indoor drainage. You can easily install the impact-resistant pipes even in frost. Their excellent chemical resistance makes them ideal for cast-in applications.
LCA standard:

Standard database:
Externally verified: Issue date: End of validity: Verifier:

## EN15804+A2 (2019)

Worldwide - Ecoinvent v 3.6 Cut-Off
Yes

## 08-06-2023

08-06-2028
Martijn van Hövell - SGS Search
wavin
An Orbia business.

SGS SEARCH Mylzer

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

| 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 |  |  |  |  |

A5 Assembly / Construction installation process
D Reuse- Recovery- Recycling- potential
Environmental impacts and parameters




[MJ]: EEE = Exported energy electric [MJ]
Statement of Confidentiality


## Results



|  | Output flows and waste categories | Unit | A1 | A2 | A3 | A1-A3 | C2 | C3 | C4 | D | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| HWD |  | kg | 1.49E-6 | $3.86 \mathrm{E}-8$ | $2.73 \mathrm{E}-13$ | $1.53 \mathrm{E}-6$ | 5.83E-8 | $2.84 \mathrm{E}-7$ | $1.55 \mathrm{E}-9$ | -1.14E-6 | 7.32E-7 |
| NHWD |  | kg | $1.22 \mathrm{E}-2$ | $9.35 \mathrm{E}-4$ | $1.05 \mathrm{E}-6$ | 1.31E-2 | 1.41E-3 | $8.35 \mathrm{E}-3$ | 5.65E-3 | -4.78E-3 | 2.37E-2 |
| RWD |  | kg | $4.25 \mathrm{E}-6$ | 1.03E-7 | 1.10E-13 | $4.35 \mathrm{E}-6$ | $1.55 \mathrm{E}-7$ | 6.67E-7 | 8.37E-9 | -2.05E-6 | 3.13E-6 |
| 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 |
| EE |  | MJ | 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 |

Ecochain

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