INSTITUT BAUEN UND UMWELT

CO_2 FOOTPRINT

PRODUCT CARBON FOOTPRINT (PCF) ACCORDING TO ISO 14067

Product Carbon Footprint
Based on verified IBU-EPD

The **Product Carbon Footprint** shows the emissions of greenhouse gases, reflected in CO_2 equivalents.
The data is based on verified results of the EPD according to EN 15804+A2 and information according to ISO 14025.

MANUFACTURER: **Dormakaba International Holding GmbH**
DORMA Platz 1
58256 Ennepetal
Germany

PRODUCT:

CONCEALED DOOR CLOSER ITS 96

PRODUCT DESCRIPTION:

The integrated ITS 96 slide channel door closer system is a modular and multifunctional system comprising only with a few door closer models and various slide channels which complies with many functional requirements. The dormakaba ITS 96 door closer is designed for concealed installation in the door leaf and frame. Suitable for almost every type of door, it offers a wide variety of functions and flexibility combined with a high level of quality. Because of its compact design, the ITS 96 system can be concealed for virtual invisibility within the door and frame, integrating inconspicuously with the overall architectural ambience.

With the new integrated door closer ITS 96 EN 3-6 with hydraulic backcheck (BCA), doors cannot be thrown open in an uncontrolled manner, which offers effective protection against damage and accidents.

APPLICATION:

The functions of the ITS 96 can be individually adapted to the local conditions of each application. The closing strength can be easily varied in accordance with the door width via the adjustment screw accessible from the top. The closing speed, the latch action and the backcheck can likewise be modified at any time using adjustment screws at the top, even after the door has been hung.

The GWP over the declared life cycle is 5.278 kg CO_2e

BY WAY OF ILLUSTRATION:

1 kg CO_2e corresponds to approx. one car journey of 4 km (car with gasoline**)

Product Carbon Footprint:
5.278 kg CO_2e

Declared unit:
1 door closer (1 piece)

Mass of declared product:
2.67 kg

Declaration number:
EPD-DOR-20230119-CBA1-EN

Independent verifier of EPD according to ISO 14025:
Matthias Klingler

Publisher:
Institut Bauen und Umwelt e.V.
Hegelplatz 1, 10117 Berlin
ibu-epd.com

Validity:
13.04.2023 - 12.04.2028

* Rounded

** Source: ÖKOBAUDAT PKW (Benzin) EURO 4 2024, UUID: 6e406918-b951-427c-b2fc-c3d1d018db9a

EPD Link:
https://epd-online.com/PublishedEpd/Download/22734

Institut Bauen und Umwelt e.V.
Hegelplatz 1
10117 Berlin
ibu-epd.com

ADDITIONAL INFORMATION AND NOTES

Product Carbon Footprint
Based on verified IBU-EPD

EPD – Environmental Product Declaration:

EPDs depict the environmental impact of products over their life cycle. They are based on the life cycle assessment method.
EPDs are independently checked (verified) by independent third parties in accordance with the EN 15804+A2 and ISO 14025 standards.

Modules:

The PCF is calculated over the declared life cycle and divided into modules (A1-C4). The modules describe the individual phases in the life cycle of the product:

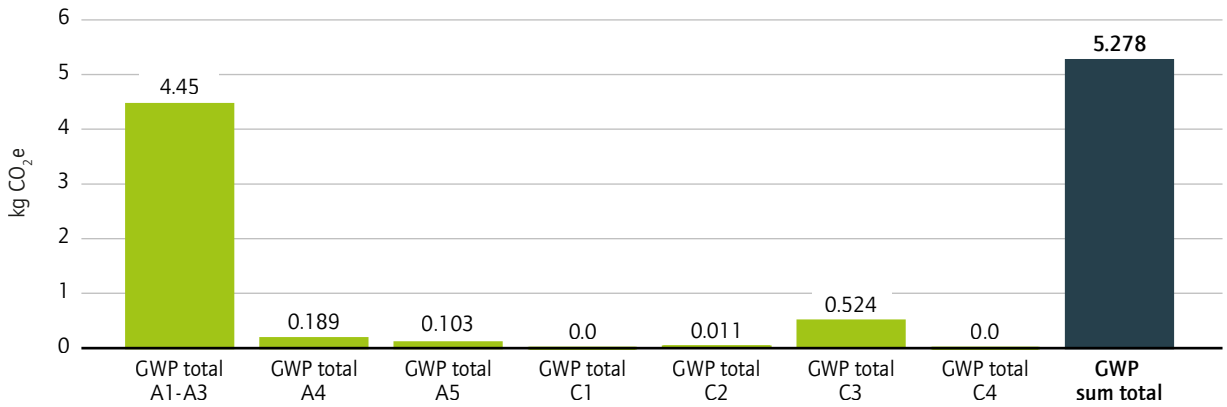
- Module A, manufacturing and installation phase
- Module B, use phase
- Module C, disposal phase

GWP – Global Warming Potential in carbon dioxide equivalent (CO_2e):

CO_2e is the universal unit of measurement for expressing the global warming potential (GWP) of each of the six greenhouse gases, expressed as the GWP of one unit of carbon dioxide. It is used to assess the release (or avoidance of release) of different greenhouse gases on a common basis.

CONCEALED DOOR CLOSER ITS 96

The declaration refers to a declared unit of 1 door closer (1 piece)



ADDITIONAL INFORMATION:

DECLARED MODULES:
A1-A3, A4, A5, C1, C2, C3, C4, D

A1-A3:	For cradle to gate, the PCF is:	**4.45 kg CO_2e**
A4:	Transport to the building site	**0.189 kg CO_2e**
	Biogenic carbon content:	**0.0 kg C**
	Biogenic carbon content of the packaging:	**0.030 kg C**
A1-C4:	For the entire life cycle (cradle to grave), the CO_2 footprint is:	**5.278 kg CO_2e**
D:	Credits and debits outside the system boundary:	**-1.400 kg CO_2e**

FURTHER INFORMATION:

- In this PCF, the figures for the GWP are summarized to enable simplified communication of these values. In the underlying EPD, 31 mandatory and 6 voluntary indicators are shown, divided into the life cycle phases. There is no hierarchy for the importance of an indicator.
- The underlying EPD was created in accordance with EN 15804+A2.
- Negative values can represent stored carbon (e.g. in wood products) and are to be regarded as temporarily stored carbon, which is released back into the environment at the end of the product life cycle.
- Note: 1 kg of biogenic carbon is equivalent to $^{44}/_{12}$ kg CO_2.

Institut Bauen und Umwelt e.V.
Hegelplatz 1
10117 Berlin
ibu-epd.com