

CO₂ FOOTPRINT

PRODUCT CARBON FOOTPRINT (PCF) ACCORDING TO ISO 14067

The **Product Carbon Footprint** shows the emissions of greenhouse gases, reflected in CO₂ equivalents. The data is based on verified results of the EPD according to EN 15804+A2 and information according to ISO 14025.



MANUFACTURER: DORMA Hüppe Raumtrennsysteme GmbH
Industriestraße 5
26655 Westerstede/Ocholt
Germany

PRODUCT:

VARIFLEX 88/100 MOVABLE WALL SYSTEM

PRODUCT DESCRIPTION:

The VARIFLEX 88/100 room partition system is a horizontally movable sound insulated partition wall system made of steel and aluminum, comprising individual elements which can be moved independently. A wide variety of design options is possible. The cover panels are acoustically self-supporting. An element height of up to 14.5 meters can be realized.

For the Variflex 88/100 the standards which can be applied are as follows:

DIN 18032-3, EN 16516, ISO 6946, ISO 9001, ISO 10140, ISO 14001, ISO 22196, 2001/118/EC, AgBB 2021, WECOBIS 2012

The CE-marking takes into account the proof of conformity with the respective harmonized standards based on the legal provisions above.

APPLICATION:

Areas of application include:

Offices, Hotels, Conference centers, Trade fairs, Schools, Religious institutions, Ateliers.



BY WAY OF ILLUSTRATION:

1 kg CO₂e corresponds to approx. one car journey of 4 km (car with gasoline**)



Product Carbon Footprint:

161.659 kg CO₂e

Declared unit:

1 m²

Mass of declared product:

48.27 kg

Declaration number:

EPD-DHR-20240217-IBA1-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:

03.07.2024 - 02.07.2029

* Rounded

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



EPD Link:

<https://epd-online.com/PublishedEpd/Download?id=19521>



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

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.

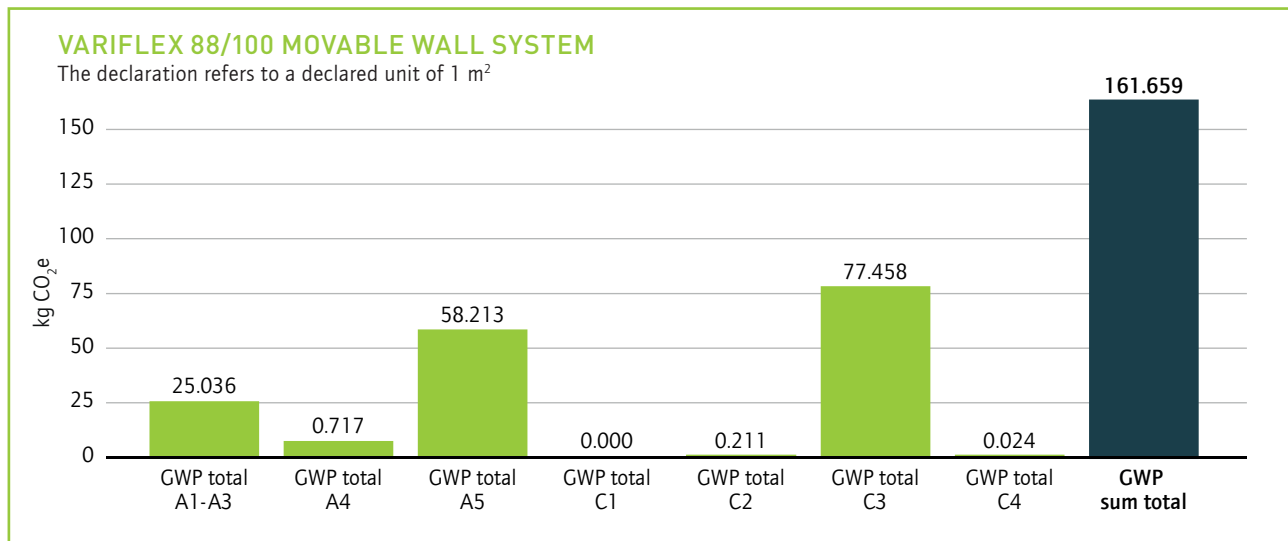
Modules:

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 (CO₂e):

CO₂e 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.



ADDITIONAL INFORMATION:

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

A1-A3:	For cradle to gate, the PCF is:	25.036 kg CO ₂ e
A4:	Transport to the building site	0.717 kg CO ₂ e
	Biogenic carbon content:	12.2 kg C
	Biogenic carbon content of the packaging:	12.2 kg C
A1-C4:	For the entire life cycle (cradle to grave), the CO ₂ footprint is:	161.659 kg CO ₂ e
D:	Credits and debits outside the system boundary:	-79.212 kg CO ₂ e

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 CO₂.