

Quick Guide

Environmental Product Declarations (EPD)

This quick guide gives an overview of the most important product declaration related to the environment as relevant to our business operations.

These are Environmental Product Declarations (EPD).

Environmental Product Declaration (EPD)

EPD is a widely used industry standard, developed in accordance with international norms ISO 14025, 14040, 14044 and the European norm EN 15804. The EPD standard creates transparency along the entire lifecycle and describes the environmental impacts of a product or product group.

The Life Cycle Assessment (LCA), which is the core element of the EPD, considers the product's environmental impact along the value chain, starting from raw material extraction to transport, production, distribution, use and end-of-life. Information about materials used, energy consumption, emissions and product lifetime are integrated in the assessment. The LCA thus offers a reliable calculation as well as transparent communication of lifecycle related environmental performance of a product. EPDs are therefore used by architects, for example, to calculate the footprint of an entire building.

In Germany, most EPDs are published by the [Institut Bauen und Umwelt e.V.](#) (IBU). IBU is one of the most recognized organizations in Germany to issue and publish cross-sector EPDs for the building industry.

Before an EPD is published by the IBU, an independent third-party assessor checks and verifies the EPD regarding conformity, plausibility and completeness.

Additionally, the European umbrella association of locks and hardware manufacturers ([ARGE](#)), founded in 1956, offers so-called ARGE-EPDs. It represents 15 national associations within Europe.

In collaboration with various product manufacturers, ARGE developed EPDs that represent a marketable product within a specific product line and reflect the production conditions of ARGE members who manufacture in Europe.

EPDs with their quantitative statements about the environmental performance of building products are geared towards investors, architects, planners and building operators who seek transparency about the products used in their buildings. Thereby, EPDs are used by international architectural and engineering firms as the basis for tenders and specifications to design sustainable buildings.

EPDs are recognized by the following building certification systems:

- [German Sustainable Building Council](#) (DGNB)
- [Leadership in Energy and Environmental Design](#) (LEED)
- [Building Research Establishment Environmental Assessment Methodology](#) (BREEAM)

dormakaba proudly offers EPDs for the following products:

Door Hardware

Concealed door closer:

- ITS 96/TS 97
- BTS 80/BTS 80 EMB/RTS 80 EMB
- BTS 75 V/RTS 87
- RTS 85/RTS 88/BTS 84

Surface door closer:

- 8600/8900 series

Exit device:

- 8000/9000 series

Entrance Systems

Automatic swing door operator:

- ED 100/250
- ED 100/900 and 250

Automatic sliding door operator:

- ES 200

Automatic sliding door:

- ST FLEX
- ST FLEX Green
- FFT FLEX Green

Revolving door:

- KTC 2
- KTC 3/4
- KTV A
- KTV M
- Crane AL 1000/2000/3000 - A
- Crane AL 1000/2000/3000 - M
- Crane SS 2000/3000 - M

Mechanical Key Systems

- M9000 lock series
- CL700/C800 lock series

Movable Walls

- MOVEO (only available in German)
- Variflex 88/100
- Varitrans

Third
party
verified

Environmental Product Declarations

- Global Warming Potential
- Ozone Depletion Potential
- Acidification Potential
- Eutrophication Potential
- Photochemical Ozone
Creation Potential
- Abiotic Depletion
- Resource use
- Waste



Environment

