dormakaba

Access to d sustainable tuture

Access Control Solutions by dormakaba



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Think tomorrow

We are committed to championing sustainability in everything we do, from producing more sustainable solutions to help our customers lessen their environmental footprint to being a fair and responsible employer and neighbor.

We work together with internationally acknowledged organizations to make it happen. For every place that matters.

Memberships





External ratings & reporting partners















Shaping a sustainable future

We are aware of our customers' increasing demand for more sustainable products. To respond to the needs and expectations of our society and customers, we put sustainability at the core of our vision, which underlines our long-term commitment to shaping a more sustainable industry and future.

dormakaba demonstrates leadership in many areas of sustainability and drives a sustainable development in the access solutions market. Our sustainability framework is in line with all material topics, which are aligned to three Pillars: People, Planet and Partnerships.





Scan the QR code or click here for more information about our sustainability framework



<u>OO</u>

People

We empower our people so that they

We create a fair, inclusive and safe

to thrive. We provide a workplace

where they can continuously grow,

openly contribute with their ideas

Material topics

• Fair Employment

8 DECENT WORK A

Target year

Baseline FY 20/21

• Training & Education

• Diversity & Inclusion

UN SDGs

Key targets

1 in 3 managers are women

• Occupational Health & Safety

E

2027

19%

and feel proud of their achievements.

culture which enables our employees

can unlock their full potential

Aim

We open the doors wide to a low carbon and circular economy

Aim

We develop innovative and resource efficient solutions for the circular economy and do our part to ensure a climate resilient future. We offer durable and energy efficient products that help our customers achieve their own sustainability goals.

Material topics

- Energy & Emissions
- Circular Economy & Materials
- Environmental Compliance

	UN	SDGs
7 AFFORDABI	LE AND RGY	12 RESPONS CONSUM AND PRO
	Key t	argets

Reduce operational
42% in line with a 1.

Target year	2030
Baseline FY 19/20	74,770 tCO ₂ e*

Reduce value chain emissions from

the use of sold products by 25%

Target year

Baseline FY 19/20 1,124,936 tCO2e*

All new product developments and optimizations are covered by our circularity approach

Target year

*Baseline FY 2019/20 in line with Science Based Targets initiative validation



Partnerships

We collaborate to promote sustainable development beyond our own doors

Aim

We lead by example and engage with our partners to drive more ecofriendly practices and support the protection of human rights. Through our secure access solutions, we also contribute to people's health and safety.

Material topics

- Supplier Sustainable Development
- Human Rights
- Customer Health & Safety



Key targets

Assess all high-risk suppliers for their sustainability management by a third-party or off-board them for lack of participation

Target year	2027
Baseline FY 20/21	10%



emissions 5°C future

2030

purchased goods & services, and

2030

2023

We open the doors wide to a circular economy

We focus on accelerating circular solutions and enable our customers to sustainably create value throughout the building life cycle.

Transition towards a circular economy

The building sector consumes more than half the world's virgin resources and accounts for nearly a third of solid waste streams¹. All actors in the industry have a clear responsibility to reduce this impact in their own area of influence.

In a circular economy, buildings are designed to optimize energy and resources, reuse and recycle whenever possible while minimizing or eliminating waste. For a healthier planet, human populations, and economies, boldly embracing the circular economy is the only way forward.

Sustainability by design

As a leading manufacturer, dormakaba is committed to incorporating the latest product life cycle approaches and environmental technologies to continuously advance our product development, and improve our own, as well as our customers' sustainability performance. Because we know that over 80% of all product-related environmental impacts are determined during the design phase of a product, we have developed a comprehensive circularity approach. As of 2023, all new product developments will need to follow minimum criteria in line with it.

¹United Nations Environment Programme (2020) 2020 Global Status Report for Buildings and Construction: towards a Zero-emission, Efficient and Resilient Buildings and Construction Sector, Global Status Report.

More durability, less waste

Durability is essential in the sustainable built environment. Our products have a long life span of up to 20 years, which means fewer replacements, fewer resources needed and fewer costs for our customers. Quite simply, the longer you can use a product, the better. In our design process we aim to extend the service life of our products through analysing for structural weak points of predecessor models and eliminating them, avoiding adhesive bonds to improve disassembly and repairability, using detachable connections and ensuring backwards compatibility, among others.

Our aim is to ensure that our products and components can be reused, repaired, or reintroduced as raw materials back into the manufacturing cycle.

Greener materials

As part of our circularity approach, we have also set minimum requirements for recycled content for the materials we select for our products. Besides leading to a lower carbon footprint, the increased use of recycled content will help customers earn credits for green building certification.

We are also moving to use only Forest Stewardship (FSC)-certified sources for all paper, wood and carton, which also serves customers in getting green building credits.





Scan the QR code or click here for more information about circular economy and materials

Distribution

- Reduce packaging material
- Avoid plastic packaging
- Use recycled packaging material
- Use FSC certified paper, wood and

- Leasing / production as a service
- Upgrade / repair services
- No toxic exposures (i.e. low VOCs, formaldehyde)
- Customer information on sustainability features

Substitution of rare materials

Growing need for green buildings



Scan the QR code or click here for more information about our sustainability product declaration.

Life cycle assessment (LCA) is a standardized methodology for assessing environmental impacts associated with all stages of the product's life cycle, from materials extraction to the end of life of the product. Using this information, we are able to develop Environmental Product Declarations (EPDs), that help our customers gain credits for

More transparency along the products'

Green building certification systems - including **LEED** (Leadership in Energy and Environmental Design), BREEAM (Building Research Establishment

Environmental Methodology) and DGNB (Deutsche

green building certification programs.

whole life cycle

Gesellschaft für Nachhaltiges Bauen, German Sustainable Building Council) - help customers ensure that a building is designed and constructed in a sustainable way incorporating products with EPDs.

Our EPDs are based on international standards and verified by a third-party ensuring that the information used is transparent, reliable and credible. We currently offer over 200 sustainability related product declarations and certifications.



Why your building's Life Cycle Assessment matters



Reducing environmental impact

According to the United Nations Environment Programme, buildings and construction contribute to almost 40% of global carbon emissions. It is with this in mind that architects, contractors, and manufacturers are increasingly committing themselves to sustainable design and practicing sustainable business.

LCA provides the stakeholders with invaluable information on a building's environmental blindspots, which can help them to address potential issues like carbon emissions, waste or energy flows.



Speaking one language

Trying to sift through the mountains of product and building data can be overwhelming for architects and developers, leading to misunderstandings and errors. In complex projects with much to oversee, LCA provides a **standardized process** to assist all the team members to speak one language about the building's environmental impact regardless of the number of components built into it. With this methodology, it's possible to streamline communication between colleagues and to boost understanding on how the building fits into the urban ecosystem.



Saving costs



Enabling the property developers to gain a bird's eye perspective over all aspects of their projects, LCA can dramatically cut costs in both the short and long term. One important detail of a building as such is its energy use. Unless optimized systematically, energy use can eat up a bulk of resources during both the construction process and beyond. Utilizing a combination of product data, LCA can also help the developers to compare different products and materials with the same outcomes to pick the most cost effective option.

Making future-oriented decisions

LCA provides a scientific system for stakeholders to make the best decisions about their buildings and tackle many challenges that arise during, before and after construction.

The demand for LCA is on the rise due to the accelerating environmental concern. In the construction industry, its already been standardized by use of

EPDs. Several green building certification schemes give building planners credits for providing EPDs for their selected construction products.



Environmental impact factsheets

SafeRoute Escape Route Security System

Key Figures

Lifetime per unit: 10 years Weight per unit: 5.3 kg Electricity use per year: 21 kWh Production location: Ennepetal, Germany

Production standards

Quality	Environmental	Occupational Health & Safety	Energy	Produced with green electricity
ISO 9001 certified	ISO 14001 certified	ISO 45001 certified	ISO 50001 certified	~

Product declarations

Environmental Product Declaration	Health Product Declaration	Building Product Declaration	SuPIM Data Sheet
✓	✓		

Material used (%)

■ Steel ■ Paper ■ Zinc ■ Aluminium ■ Plastics ■ Electronic ■ Primer and paint



The GWP¹ across the life cycle is 104 kg CO_2e

This is similar to the CO₂ produced from a road trip with a diesel mid-range car from Las Vegas to California



 1 Carbon dioxide equivalent (CO₂e) is the universal unit of measurement to indicate the global warming potential (GWP) of each of the six greenhouse gases, expressed in terms of the GWP of one unit of carbon dioxide. It is used to evaluate releasing (or avoiding releasing) different greenhouse gases against a common basis.



Scan the QR code or click here for more information about sustainability



Scan the QR code or click here for more information about our sustainability product declaration.



Description

SafeRoute is a modularly constructed escape route security system that convincingly interconnects the contrasting requirements of doors in emergency exits and escape routes to save people's lives on the one hand, while securing property on the other hand.

Total Global Warming Potential per life cycle stage (kg CO_2e)



c-lever pro Electronic door lock

Key Figures

Lifetime per unit: 10 years Weight per unit: 2.1 kg Electricity use per year: 0.00001 kWh Production location: Wetzikon, Switzerland

Production standards

Quality	Environmental	Occupational Health & Safety	Energy	Produced with green electricity
ISO 9001 certified	ISO 14001 certified	ISO 45001 certified		v

Product declarations

Environmental Product Declaration	Health Product Declaration	Building Product Declaration	SuPIM Data Sheet
~			

Material used (%)

■ Zinc ■ Stainless steel ■ Steel ■ Electronics ■ Brass ■ Plastics ■ Cable ■ Paper



The GWP¹ across the life cycle is 7.5 kg CO_2e

This is similar to the CO_2 produced from a road trip with a diesel mid-range car from Dortmund to Hagen



¹Carbon dioxide equivalent (CO₂e) is the universal unit of measurement to indicate the global warming potential (GWP) of each of the six greenhouse gases, expressed in terms of the GWP of one unit of carbon dioxide. It is used to evaluate releasing (or avoiding releasing) different greenhouse gases against a common basis.



Scan the QR code or click here for more information about sustainability



Scan the QR code or click here for more information about our sustainability product declaration.



Description

The c-lever pro is an electronic door fitting. The external fitting contains an antenna and a mechatronics unit. Following identification of an authorised medium, the door can be opened manually. The c-lever pro supports the latest radio-frequency identification (RFID) technologies and is available with the wireless function: access rights are transmitted from your PC to the door components wirelessly and in real time.

Total Global Warming Potential per life cycle stage (kg CO_2e)



0,008	0,1	0,0009	
			-6,3
Transport	Waste processing	Disposal	Reuse / recycling potential

Compact reader Online Access Control Devices

Key Figures

Lifetime per unit: 30 years Weight per unit: 0.3 kg Electricity use per year: 10.9 kWh Production location: Villingen-Schwenningen, Germany

Production standards

Quality	Environmental	Occupational Health & Safety	Energy	Produced with green electricity
ISO 9001 certified	ISO 14001 certified	ISO 45001 certified		v

Product declarations

Environmental Product Declaration	Health Product Declaration	Building Product Declaration	SuPIM Data Sheet
~			

Material used (%)

■ Plastics ■ Electromechanics ■ Metals

The GWP¹ across the life cycle is 146 kg CO₂e

This is similar to the CO₂ produced from a road trip with a diesel mid-range car from Paris to Lyon





¹Carbon dioxide equivalent (CO₂e) is the universal unit of measurement to indicate the global warming potential (GWP) of each of the six greenhouse gases, expressed in terms of the GWP of one unit of carbon dioxide. It is used to evaluate releasing (or avoiding releasing) different greenhouse gases against a common basis.



Scan the QR code or click here for more information about sustainability



Scan the QR code or click here for more information about our sustainability product declaration.



Description

The compact reader is a device that reads a personalized credential via radio-frequency identification (RFID) or Bluetooth Low Energy technology. The compact reader reads identity information from the credential and passes it on to an access controller via an RS-485 interface. In an online solution, the access controller then grants or denies access to the credential holder. In a stand-alone solution, the compact reader performs the access decision. The compact reader is a reader for use in indoor or in protected outdoor areas.

Total Global Warming Potential per life cycle stage (kg CO₂e)



EntriWorX Unit 92 40

Key Figures

Lifetime per unit: 15 years Weight per unit: 0.9 kg Electricity use per year: 54 kWh Production location: Villingen-Schwenningen, Germany

Production standards

Quality	Environmental	Occupational Health & Safety	Energy	Produced with green electricity
ISO 9001 certified	ISO 14001 certified	ISO 45001 certified		~

Product declarations

Environmental Product Declaration	Health Product Declaration	Building Product Declaration	SuPIM Data Sheet
✓			

Material used (%)

■ Plastics ■ Paper ■ Electronics ■ Steel



The GWP¹ across the life cycle is 429 kg CO_2e

This is similar to the CO₂ produced from a road trip with a diesel mid-range car from Mumbai to New Delhi



 1 Carbon dioxide equivalent (CO₂e) is the universal unit of measurement to indicate the global warming potential (GWP) of each of the six greenhouse gases, expressed in terms of the GWP of one unit of carbon dioxide. It is used to evaluate releasing (or avoiding releasing) different greenhouse gases against a common basis.



Scan the QR code or click here for more information about sustainability



Scan the QR code or click here for more information about our sustainability product declaration.



Description

The EntriWorX Unit 92 40 is the central control unit for different domains like access control, escape route management and door sequence control. It is capable of managing simple or even complex entrance and exit door configurations. Based on a state-of-the-art operating system the EntriWorX Control Unit is a modern IoT edge device respecting IT security requirements and enabling connectivity to cloud services.

Total Global Warming Potential per life cycle stage (kg $\rm CO_2e$)



Gain insights into the world of access

Offering a great selection of articles discussing the latest trends and topics in the industry.

Our experts are dedicated to exploring the most engaging stories about topics that shape the Access Industry. Topics that matter – from demographic changes, through the latest technological advancements to realizing the most incredible architectural visions.



blog.dormakaba.com

About dormakaba Group

dormakaba is a leading global provider in the access solutions market. The company reimagines access by setting industry standards for smart systems and sustainable solutions across the lifecycle of a building. Around 16,000 employees worldwide provide their expertise to a growing customer base in more than 130 countries.

dormakaba supports its customers with a broad, innovative portfolio of integrated access products, solutions and services that easily fit into building ecosystems to create safe, secure and sustainable places where people can move around seamlessly.

dormakaba is listed on the SIX Swiss Exchange and is headquartered in Rümlang near Zurich (Switzerland). It generated a turnover of CHF 2.8 billion in financial year 2021/22.

SIX Swiss Exchange: DOKA

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