dormakaba

Access to a sustainable future

Access Automation 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.

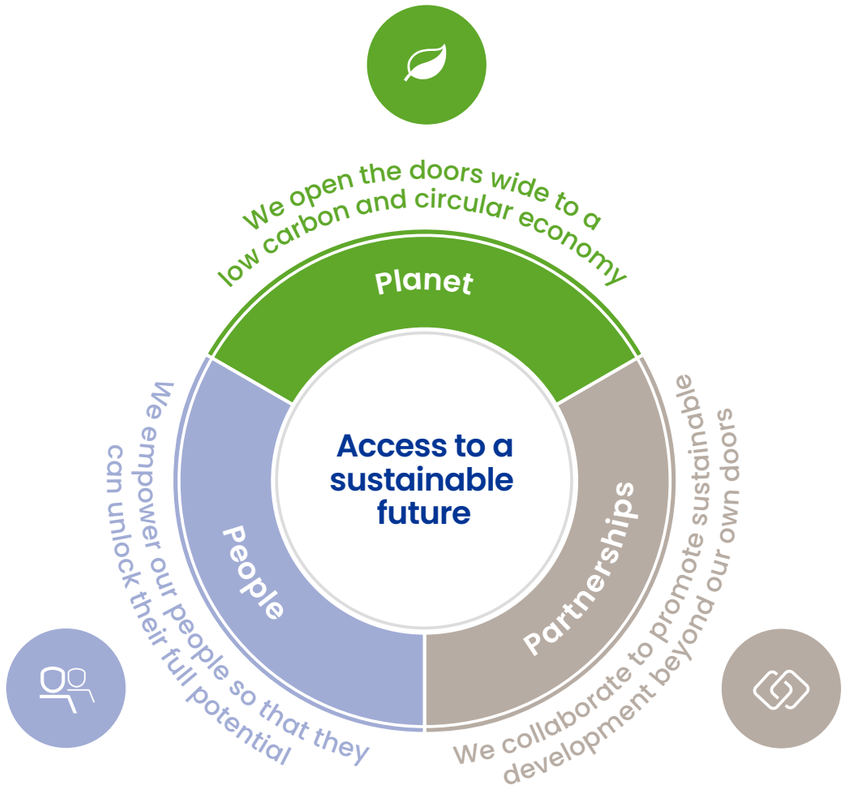
We work together with internationally acknowledged organizations to make it happen. For every place that matters.

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

People

We empower our people so that they can unlock their full potential

Aim

We create a fair, inclusive and safe culture which enables our employees to thrive. We provide a workplace where they can continuously grow, openly contribute with their ideas and feel proud of their achievements.

Material topics

- Fair Employment
- Training & Education
- Diversity & Inclusion
- Occupational Health & Safety

UN SDGs

Key targets

1 in 3 managers are women	
Target year	2027
Baseline FY 20/21	19%

Planet

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

Key targets

Reduce operational emissions 42% in line with a 1.5°C future	
Target year	2030
Baseline FY 19/20	74,770 tCO_2e*

Reduce value chain emissions from purchased goods & services, and the use of sold products by 25%	
Target year	2030
Baseline FY 19/20	1,124,936 tCO_2e*

All new product developments and optimizations are covered by our circularity approach	
Target year	2023

*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 eco-friendly 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

UN SDGs

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%

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 streams[1]. 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.

[1] United 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

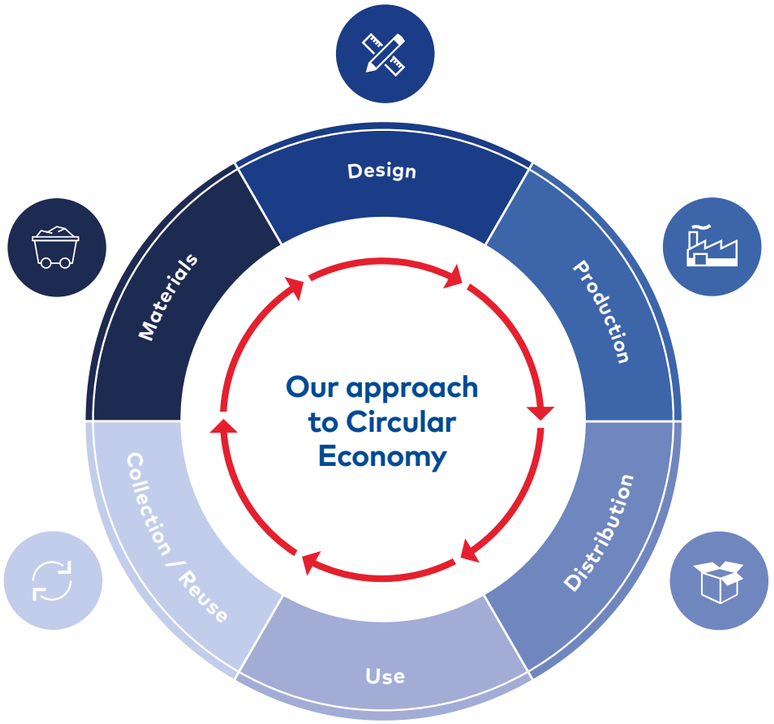
Durability is essential in the sustainable built environment. Our products have a long life span of up to 20 years, which means fewer replacements, fewer resources needed and fewer costs for our customers. Quite simply, the longer you can use a product, the better. In our design process we aim to extend 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.

Design
- Design for long life span
- Design for energy efficiency in the use phase
- Design for repair / reuse / recycling
- Life Cycle Assessment optimization

Production
- Material and energy efficient production
- Use of renewable energy sources
- Avoid and reduce toxic materials
- Scrap recovery

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

Materials
- Compliance with materials restrictions and regulations
- Use of renewable / recycled raw materials
- Substitution of rare materials

Collection / Reuse
- Take back programs
- Customer information on recycling

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

Growing need for green buildings

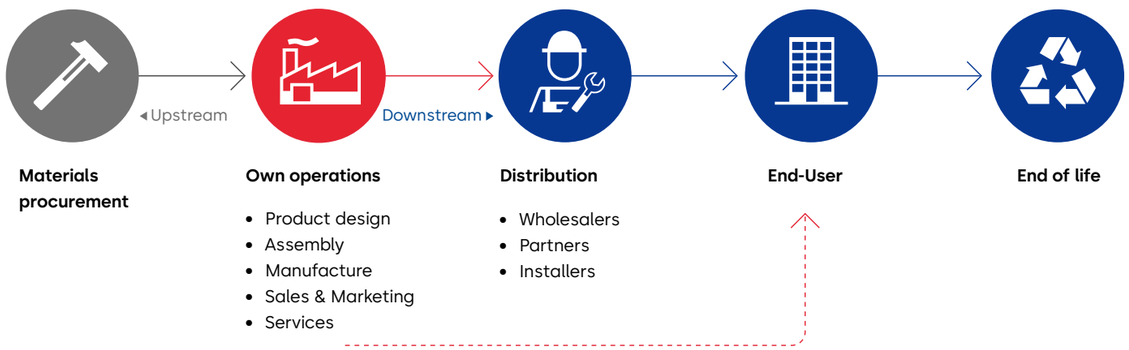
More transparency along the products' whole life cycle

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 green building certification programs.

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

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



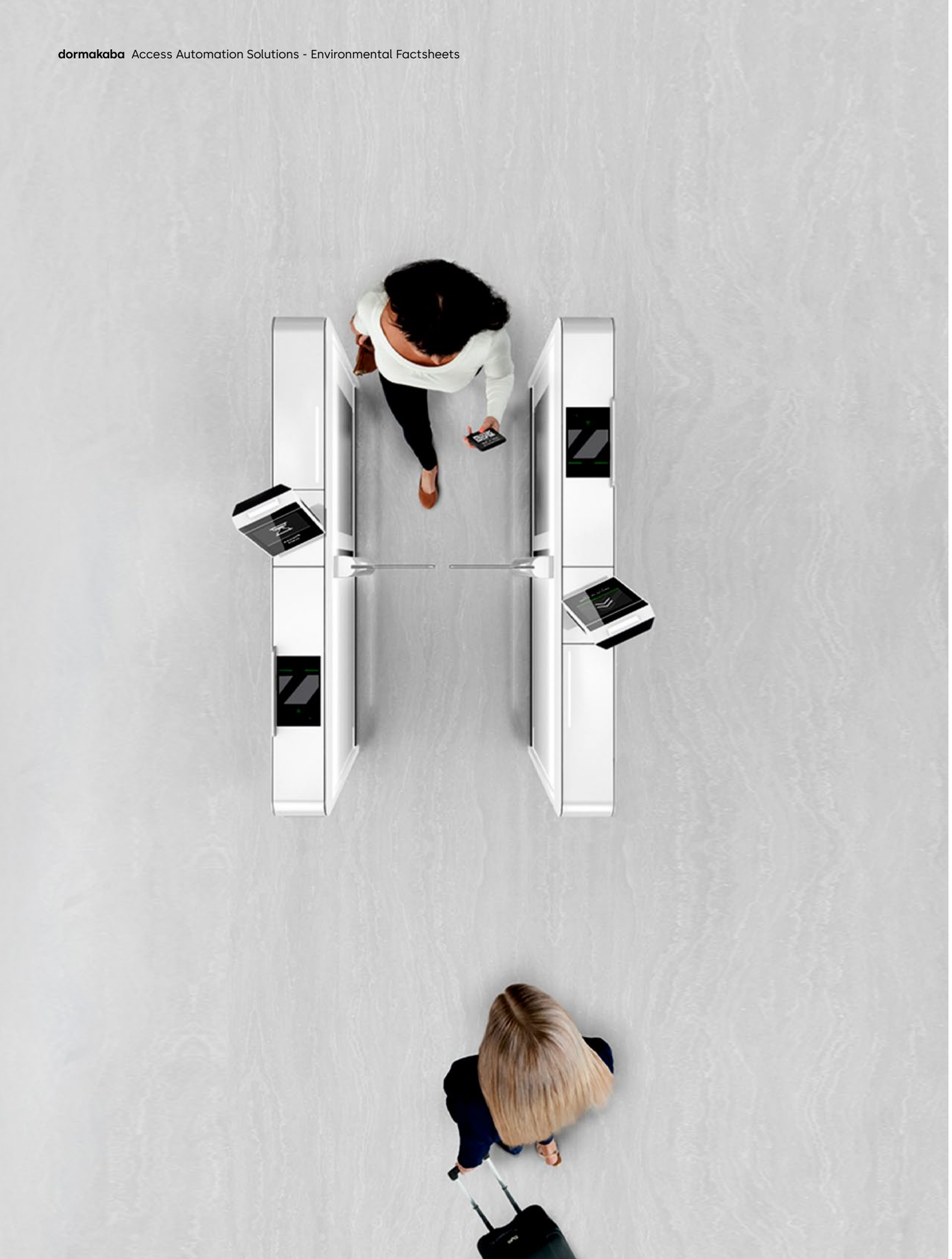
Why your building's Life Cycle Assessment matters

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.

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.

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**.

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

Argus V60
Sensor barriers

Key Figures

Lifetime per unit: 15 years

Weight per unit: 273 kg

Electricity use per year: 154 kWh

Production location: Bühl, Germany

Production standards

Quality	Environmental	Occupational Health & Safety	Energy	Produced with green electricity
ISO 9001 certified	ISO 14001 certified	ISO 45001 certified	ISO 5001 certified	✔

Product declarations

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

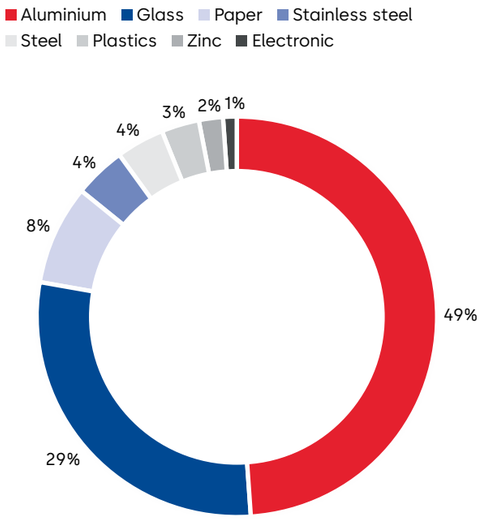
Scan the QR code or click here for more information about sustainability

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

Description

ARGUS V60 sensor barriers are particularly compact and strikingly elegant. Despite a housing depth of only 240 mm, the Argus V60 is a full-performance sensor barrier ideal for use where space is limited. The reader units can be installed the same way as other versions of the Argus product range. The Argus sensor barriers are available in four versions; the Argus 40 with a length of 1,200 mm, Argus 60 at 1,600 mm, Argus 80 at 1,660 mm and the new Argus V60, particularly compact at only 240mm, for use in areas with constrained space requirements.

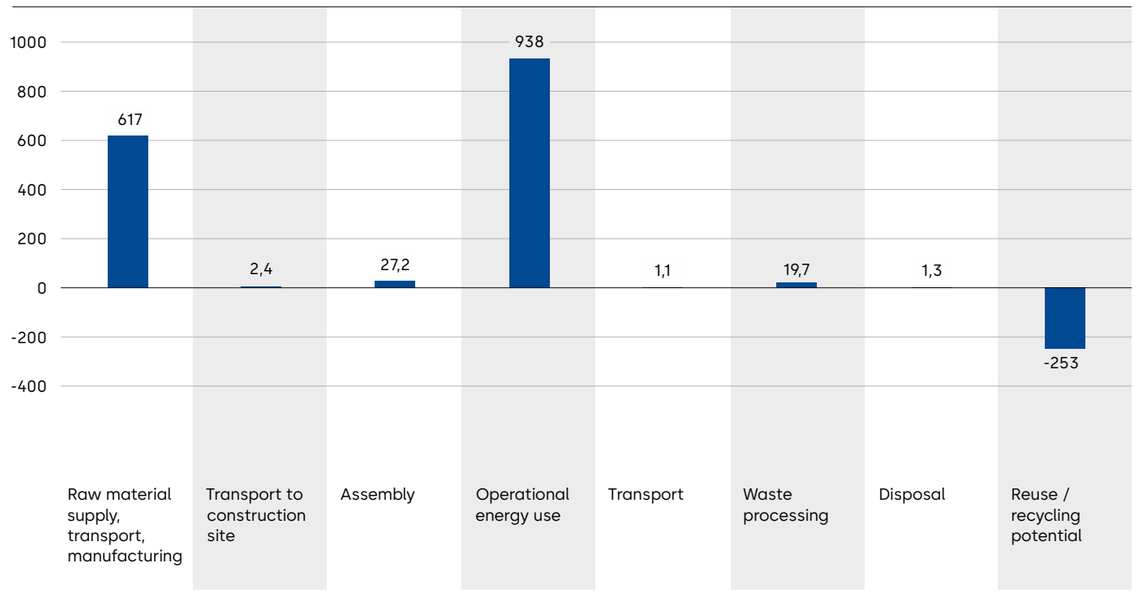
Material used (%)



The GWP[1] across the life cycle is 1,354 kg CO_2e

This is similar to the CO_2 produced from a roundtrip flight from Buenos Aires to Quito (8,700 km)

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



[1]Carbon dioxide equivalent (CO_2e) 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.

ED100 / 250
Swing Door Operator

Key Figures

Lifetime per unit: 10 years
Weight per unit: 13 kg
Electricity use per year: 70 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 5001 certified	✔

Product declarations

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

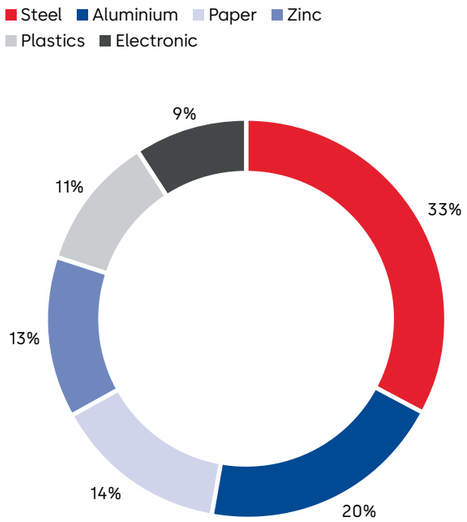
Scan the QR code or click here for more information about sustainability

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

Description

The automatic swing door operators manufactured by dormakaba are electromechanical swing door operators designed for single or double leaf doors. Depending on the width and weight of the door leaf, the ED 100 or the ED 250 is required. Both operators can be mounted with standard arm as push-version and with slide channel as pull-version. Apart from the extended cover, an integrated door coordinator is also available for double-leaf operators, which is also easily fitted. By using the dormakaba upgrade card, the functional scope can be adapted to a variety of door situations.

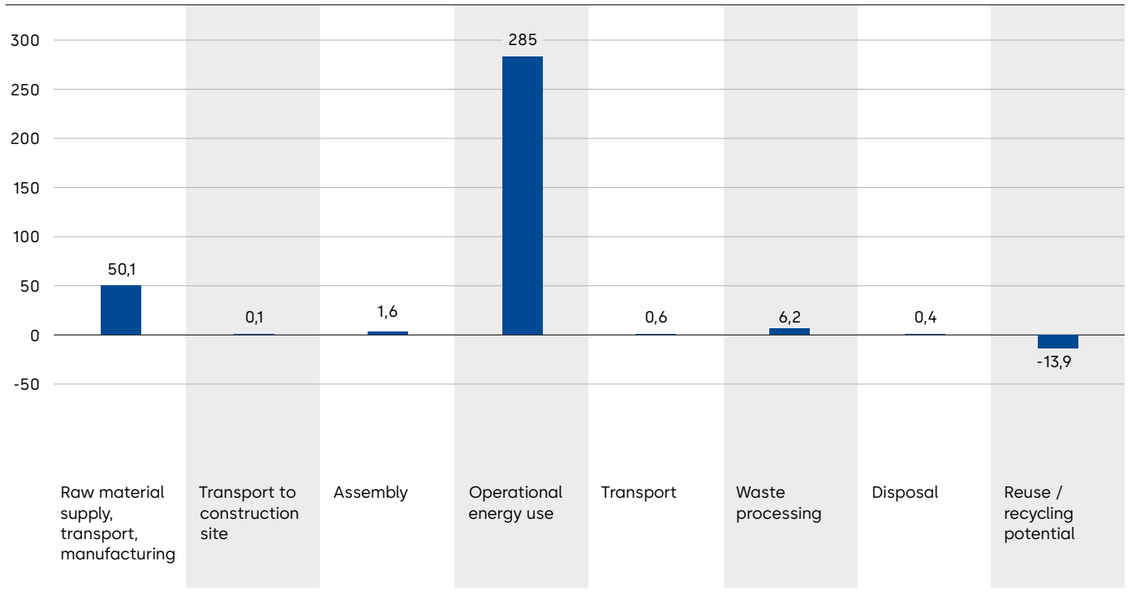
Material used (%)



The GWP[1] across the life cycle is 330 kg CO_2e

This is similar to the CO_2 produced from a roundtrip flight from Berlin to Zurich (1,300 km)

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



[1]Carbon dioxide equivalent (CO_2e) 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.

KTV Atrium Flex
Automatic revolving door

Key Figures

Lifetime per unit: 20 years
Weight per unit: 1616 kg
Electricity use per year: 177 kWh
Production location: Sofia, Bulgaria

Production standards

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

Product declarations

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

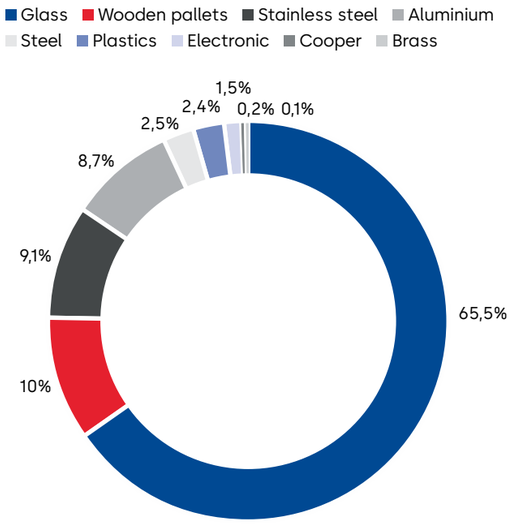
Scan the QR code or click here for more information about sustainability

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

Description

The KTV Atrium Flex door range is a breakthrough in design with technology: The revolving door is driven by an electromagnetic direct drive - the dormakaba FLEX Direct Drive technology complements the design intent of modern architecture. It is unique, elegant and leaves an impression that is lasting and timeless.

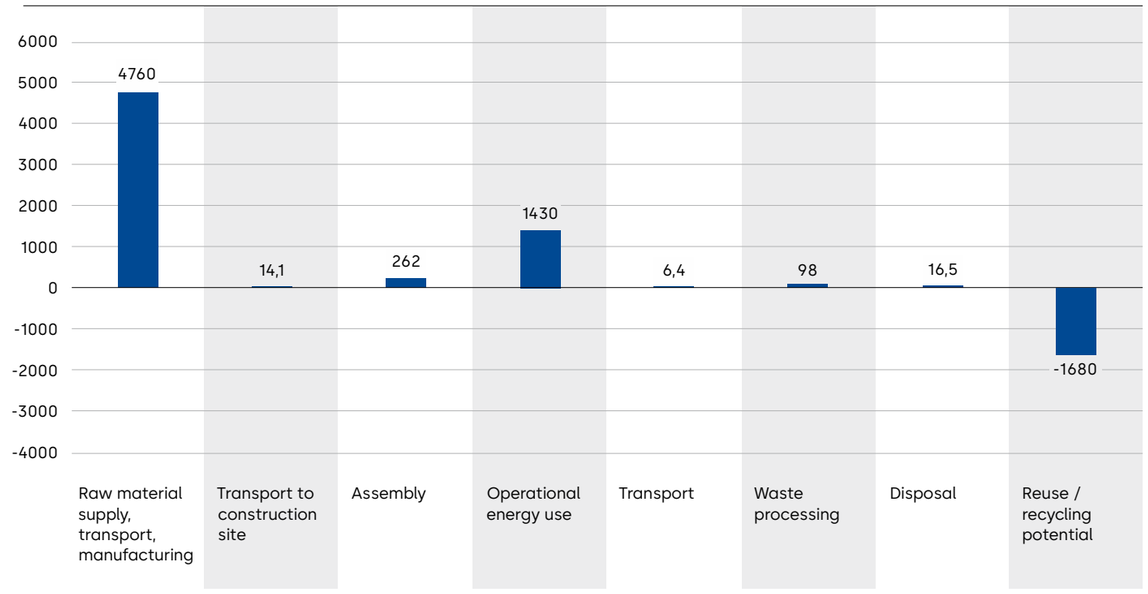
Material used (%)



The GWP[1] across the life cycle is 4,907 kg CO_2e

This is similar to the CO_2 produced from a roundtrip flight from Mumbai to Sao Paulo (27,500 km)

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



[1]Carbon dioxide equivalent (CO_2e) 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.

ES PROLINE
Modular automatic drive system for sliding doors

Key Figures

Lifetime per unit: 15 years
Weight per unit: 27.5 kg

Electricity use per year: 66 kWh
Production location: Ennepetal, Germany

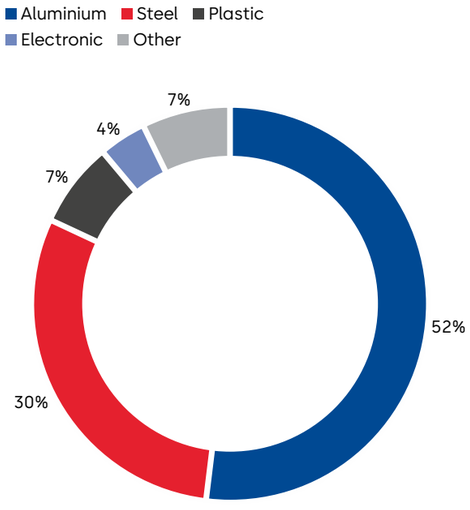
Production standards

Quality	Environmental	Occupational Health & Safety	Energy	Produced with green electricity
ISO 9001 certified	ISO 14001 certified	ISO 45001 certified	ISO 5001 certified	✔

Product declarations

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

Material used (%)



The GWP[1] across the life cycle is 581 kg CO_2e

This is similar to the CO_2 produced from a roundtrip flight from Madrid to Amsterdam

[1]Carbon dioxide equivalent (CO_2e) 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.

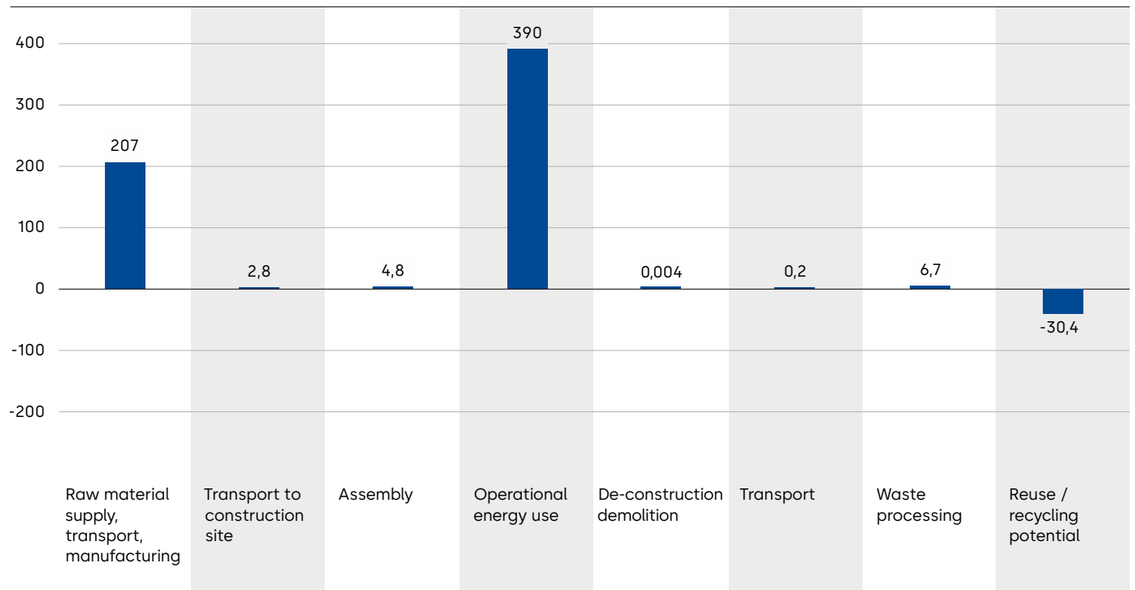
Scan the QR code or click here for more information about sustainability

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

Description

ES PROLINE is the new generation of sliding door operators. It uses 64% less energy consumption in the use phase compared with the previous product. ES PROLINE easily moves doors with door leaf weights of up to 400 kg. The drive system is certified to perform 1.5 million opening and closing cycles, this corresponds to a 50% longer certified life-time of the door system.

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



ST PRO Green
Automatic sliding door

Key Figures

Lifetime per unit: 15 years
Weight per unit: 208 kg
Electricity use per year: 66 kWh
Production location: Zusmarshausen, Germany

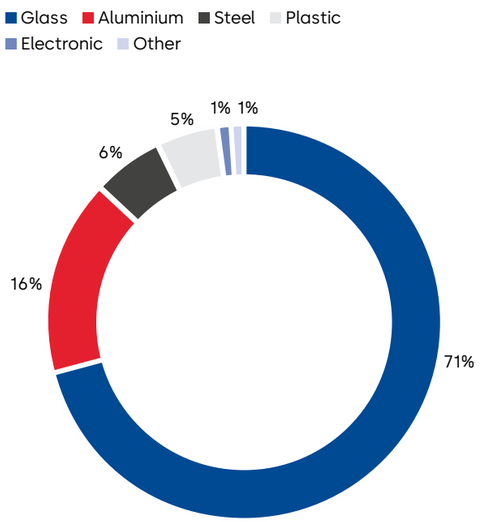
Production standards

Quality	Environmental	Occupational Health & Safety	Energy	Produced with green electricity
ISO 9001 certified	ISO 14001 certified	ISO 45001 certified	ISO 5001 certified	✔

Product declarations

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

Material used (%)



The GWP[1] across the life cycle is 924 kg CO_2e

This is similar to the CO_2 produced from a roundtrip flight from Paris to Istanbul

[1]Carbon dioxide equivalent (CO_2e) 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.

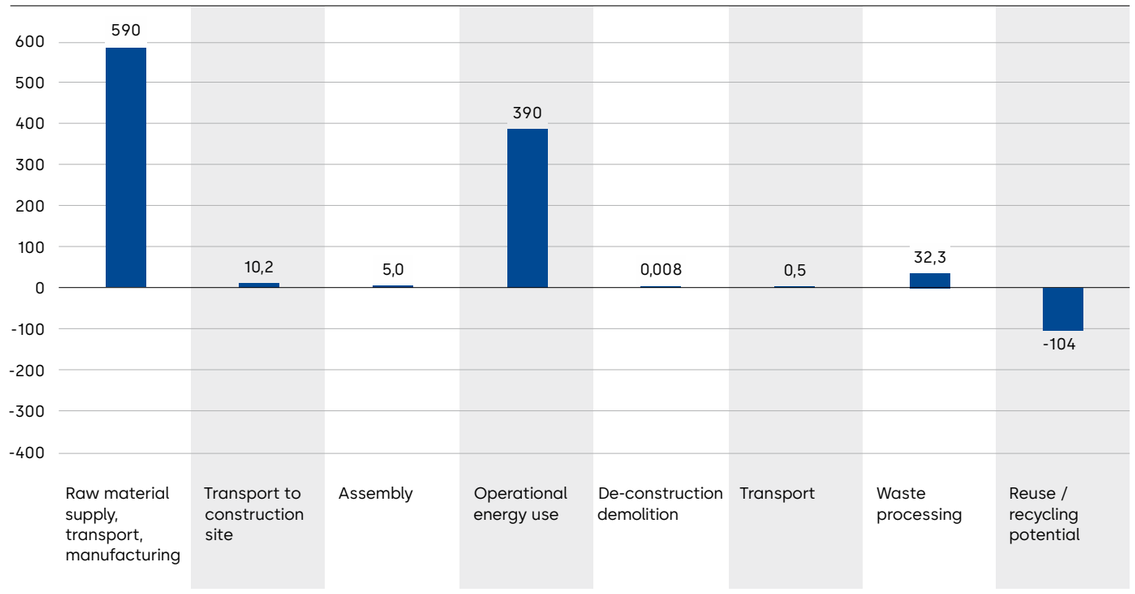
Scan the QR code or click here for more information about sustainability

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

Description

The ST PRO GREEN convinces with its comprehensive energy efficiency. The slim profile system can be used with double and triple glazing, whereby UD values of down to 1.0 W/(m²·K) (glass heat transfer coefficient) can be realized. Together with the thermally separated profile the energy losses are minimized.

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



ST PRO Green RC2/RC3
Automatic sliding door

Key Figures

Lifetime per unit: 15 years

Weight per unit: 231 kg

Electricity use per year: 66 kWh

Production location: Zusmarshausen, Germany

Production standards

Quality	Environmental	Occupational Health & Safety	Energy	Produced with green electricity
ISO 9001 certified	ISO 14001 certified	ISO 45001 certified	ISO 5001 certified	✔

Product declarations

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

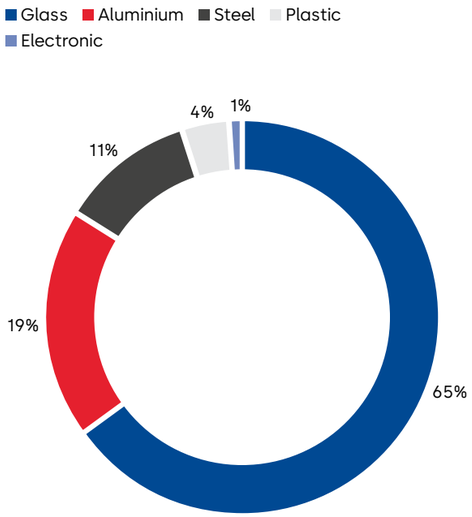
Scan the QR code or click here for more information about sustainability

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

Description

The ST PRO Green RC2 / RC3 impresses with its reinforced profile system and its safety. The entire automatic door has extensive sabotage protection. An electromechanical multi-point hook locking system in the area of the main closing edge offers additional security. Burglar-resistant double and triple glazing together with the PRO Green profile system ensure a high level of security and low energy losses.

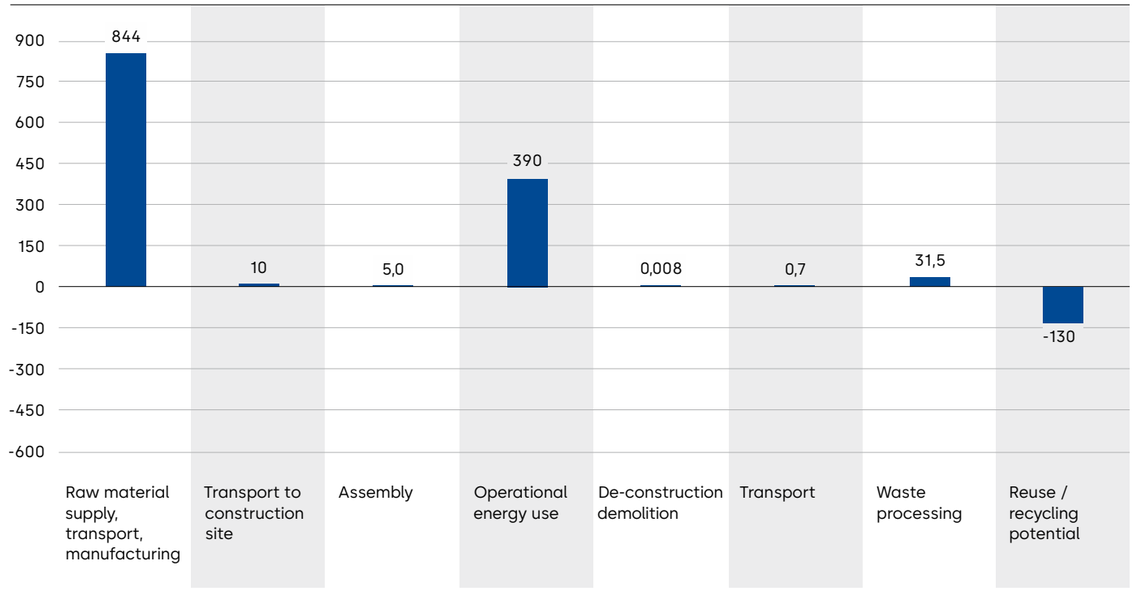
Material used (%)



The GWP[1] across the life cycle is 1,151 kg CO_2e

This is similar to the CO_2 produced from a roundtrip flight from Stockholm to Lisbon (6,000 km)

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



[1]Carbon dioxide equivalent (CO_2e) 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.

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.

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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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