



DGNB System New Construction Buildings Criteria Set

ASSA ABLOY
Opening Solutions

ASSA ABLOY Opening Solutions EMEA - 12.2021

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DGNB System New Construction Buildings Criteria Set

Summary

The German Sustainable Building Council (DGNB) is a third-party verified green building rating system which is used throughout the world; however, it is most common in Germany. The DGNB System certification program provides a comprehensive green building approach based on three key paradigms: life cycle assessment, holistic, and performance orientation. The DGNB System New Construction Buildings Criteria Set can be used on a wide range of project types. Additionally, the system is used as a planning tool to implement holistic and sustainable quality in the construction process. New construction projects can obtain a silver, gold, or platinum DGNB certificate. The DGNB System is made up by six different topics which include Environmental Quality (ENV), Economic Quality (ECO), Sociocultural and Functional Quality (SOC), Technical Quality (TEC), Process Quality (PRO), and Site Quality (SITE).

An important aspect when pursuing DGNB certification is identifying products that align with and contribute towards the goals of the project. To aid in these decisions, this document highlights how ASSA ABLOY Opening Solutions products may contribute to a variety of DGNB System topics.

Applicable Credits



Environmental Quality (ENV)

- ENVE1.3 Sustainable Resource Extraction



Sociocultural and Functional Quality (SOC)

- SOC1.7 Safety and Security
- SOC2.1 Design for All



Technical Quality (TEC)

- TEC1.1 Fire Safety
- TEC1.5 Ease of Cleaning Building Components



Process Quality (PRO)

- PRO1.4 Sustainability Aspects in Tender Phase



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official partner in
the WGBC's Europe
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Environmental Quality

ENVE 1.3 Sustainable Resource Extraction

Promote the use of products that are transparent in regard to their environmental and social impacts and utilise raw material extraction and processing methods that are in alignment with recognised environmental and social standards.

ASSA ABLOY Opening Solutions strives to source materials responsibly. Our suppliers are vetted through a competitive process where they are rated on key factors such as sustainability and quality. All new product sources must follow our internal gateway processes for quality approval and are audited. Additionally, many ASSA ABLOY products contain recycled content and have Forest Stewardship Council (FSC®) certifications.

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OVERVIEW

ACCESS CONTROL

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CLIQ®
Incedo™
Code Handle®
SMARTair™

DOOR CLOSERS

MECHANICAL AND ELECTRO- MECHANICAL LOCKING

E-Locks
Pulse
Lock Sets,
Lock Cases,
and Cylinders

DOORS

DROP SEALS

PANIC AND EXIT DEVICES

DOOR OPENERS

HANDLES AND PUSH-PULLS



Sociocultural and Functional Quality

SOC1.7 Safety and Security

Design buildings to prevent dangerous situations by incorporating safety measures such as technical, preventative, and innovative safety equipment.

Providing secure and safe spaces with universal accessibility is a key focus point for ASSA ABLOY. ASSA ABLOY Opening Solutions' access control, locking, door, and panic and exit device products provide convenient safety features that ensure occupant security while maintaining a welcoming environment. Our products are designed to a variety of vigorous performance and safety standards. Additionally, our door closers ensure that entrances are tightly secured every time.

SOC2.1 Design for All

Design buildings to be completely accessible for all parties, no matter what personal situations a building user may have.

Providing secure and safe spaces with universal accessibility is a key focus point to ASSA ABLOY. The installation of ASSA ABLOY Opening Solutions products can help meet local accessibility laws and codes. Many of our products aid in accessible entry and exit of buildings.



Technical Quality

TEC1.1 Fire Safety

Incorporate fire safety features into the building to increase the safety of occupants during a fire emergency.

Fire events present a major threat to the life and safety of building occupants. Preventative and escape focused technology, such as ASSA ABLOY doors and panic and exit devices, ensure safe solutions for building occupants. Several of our products including ASSA ABLOY Opening Solutions' access control, door closer, locking, and drop seal portfolio are proven fire resistant. Several products are in accordance with EN1634-1: 2008.



TEC1.5 Ease of Cleaning Building Components

Utilize measures which reduce the effort and cost required to clean interior components of the building including measures which make cleaning unnecessary altogether.

Door hardware products provide low-touch and no-touch fully automated solutions. Limiting contact between users results in a more hygienic environment from entrance to exit. ASSA ABLOY Opening Solutions also offers MircoShield®, which uses silver ion-based technology to stop the spread of microbes and bacteria. Different models of SMARTair™ i-max escutcheon handles are available with antibacterial surface for healthcare applications. Mobile (digital) keys are available for SMARTair (Openow™), Aperio® (BLE) and Incedo Business which reduce and regulate people flow around a building.

Don't see what you are looking for?

We may be able to work with you! Please put in a request at:

Sustainability.EMEIA@assaabloy.com

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Sociocultural and Functional Quality

SOC1.7 Safety and Security

Design buildings to prevent dangerous situations by incorporating safety measures such as technical, preventative, and innovative safety equipment.

Providing secure and safe spaces with universal accessibility is a key focus point for ASSA ABLOY. These products provide accessibly entry while maintaining superior security.

Aperio® is a cost-effective solution for many access control applications. This product eliminates key management issues while providing authorization changes in real time. Communication is encrypted with audit trails and time zones recorded for viewing as needed. Battery-powered Aperio RFID-equipped cylinders, escutcheons, handles, and locks can be fitted as a new access control system or extend an existing installation by linking new doors to the same system wirelessly. This eliminates the need for staff to swap their key cards, nor for anyone to carry more than one credential. Aperio works seamlessly within almost every major access control system on the market, from over 100 different manufacturers. One control panel manages everything — both Aperio and legacy locks.

CLIQ® is a mechatronic locking system that combines high-end mechanical and electronic protection. A range of key-operated mechanical cylinders and padlocks maximize physical security and attack resistance. CLIQ technology then layers DES encrypted, user-friendly electronic security on top of physical security measures. Audit trail time and date stamps are tracked. This adds control and convenience without the need for wires; all CLIQ devices are wire-free. The power to operate the electronics comes from the battery inside every CLIQ key.

Incedo is a flexible and future-proofed system that scales and updates as needed, keeping facilities and their users up to date with the latest technological changes. With Incedo's modular platform approach, system owners simply choose the security hardware (e.g. Aperio, PULSE), the credentials they need, and the appropriate management system option. Incedo's system management options — Lite, Plus, and Cloud — scale from entry level up to cloud-based administration.

Code Handle® provides convenient safety features that increase occupant security. Code Handle products remove the need for keys within the building; instead, the handle has buttons for security code entry. With a built-in digital PIN keypad, it upgrades security at any private interior door facing a public space. The sleek design allows users to enter without keys or unsightly push-button mechanical locks. Users simply swap the existing door handle for a Code Handle. Installation requires just two screws. The installers keep the existing cylinder or lock and simply change the handle. With the Master Code, administrators can issue up to nine different four-to-six digit PINs to authorised users, amending or cancelling PINs whenever necessary.

ACCESS CONTROL

Aperio® | CLIQ® | Incedo™ | Code Handle® | SMARTair™



SMARTair™ systems with battery-powered cylinders, escutcheons, security locks, and readers are fast to fit and can protect almost any door or access point. The software can schedule access at specific times throughout the day to ensure that the appropriate personnel have access when needed. Openow™ is the convenient mobile solution for SMARTair. Within this app, users store validated digital keys securely. Additionally, using the app reduces high traffic touch points.

SOC2.1 Design for All

Design buildings to be completely accessible for all parties, no matter what personal situations a building user may have.

Providing secure and safe spaces with universal accessibility is a key focus point to ASSA ABLOY. The installation of ASSA ABLOY Opening Solutions' access control products can help meet local accessibility laws and codes. These products provide accessible entry while maintaining superior security.



Technical Quality

TEC1.5 Ease of Cleaning Building Components

Utilize measures which reduce the effort and cost required to clean interior components of the building including measures which make cleaning unnecessary altogether.

Different models of SMARTair i-max escutcheon handles are available with antibacterial surface for healthcare applications. SMARTair Openow mobile keys avoid handovers and reduce touchpoints which minimize shared touchpoints and regulate people flow around a building. Limiting contact between users results in a more hygienic environment from entrance to exit.

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Environmental Quality

ENVE 1.3 Sustainable Resource Extraction

Promote the use of products that are transparent in regard to their environmental and social impacts and utilise raw material extraction and processing methods that are in alignment with recognised environmental and social standards.

ASSA ABLOY Opening Solutions strives to source materials responsibly. Our suppliers are vetted through a competitive process where they are rated on key factors such as sustainability and quality. All new product sources must follow our internal gateway processes for quality approval and are audited.

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Sociocultural and Functional Quality

SOC1.7 Safety and Security

Design buildings to prevent dangerous situations by incorporating safety measures such as technical, preventative, and innovative safety equipment.

Providing secure and safe spaces with universal accessibility is a key focus point for ASSA ABLOY. Our door closers ensure that doors close properly every time, maintaining building security.

SOC2.1 Design for All

Design buildings to be completely accessible for all parties, no matter what personal situations a building user may have.

Providing secure and safe spaces with universal accessibility is a key focus point to ASSA ABLOY. The installation of ASSA ABLOY Opening Solutions' door closers can help meet local accessibility laws and codes. These products ensure that doors close properly every time, independently of the user's ability to pull the door shut.

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Sociocultural and Functional Quality

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Providing secure and safe spaces with universal accessibility is a key focus point for ASSA ABLOY.

Electromechanical locks by ASSA ABLOY Opening Solutions ensure the same safety and quality as our mechanical locks to increase building security and user safety.

PULSE by ASSA ABLOY Opening Solutions utilizes self-powered cylinders and padlocks, combining the flexibility of electrical locking with the familiarity of mechanical security. PULSE has the ability to blacklist keys making safety easy and reliable.

Lock sets, lock cases, and cylinders by ASSA ABLOY Opening Solutions utilize quality locking mechanisms to increase building security and ensure user safety.

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Sociocultural and Functional Quality

SOC1.7 Safety and Security

Design buildings to prevent dangerous situations by incorporating safety measures such as technical, preventative, and innovative safety equipment.

ASSA ABLOY Opening Solutions' security doors offer maximum protection from theft, vandalism, and attack. We offer a variety of specifications to suit all levels of security risk.



Technical Quality

TEC1.1 Fire Safety

Incorporate fire safety features into the building to increase the safety of occupants during a fire emergency.

Fire events present a major threat to the life and safety of building occupants. ASSA ABLOY Opening Solutions' fire rated doors provide practical and innovative solutions to fire protection to meet the needs of all buildings. We offer fire-rated doors in accordance to EN1634-1: 2008.

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Technical Quality

TEC1.1 Fire Safety

Incorporate fire safety features into the building to increase the safety of occupants during a fire emergency.

Fire events present a major threat to the life and safety of building occupants. For the safety of our customers, we offer fire-retardant and smoke-shielding drop seals.

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Providing secure and safe spaces with universal accessibility is a key focus point for ASSA ABLOY. The installation of our products can help meet local accessibility laws and codes. Our panic and exit devices are certified according to the most demanding standards and can endure heavy traffic situations in virtually any commercial setting. Our exit devices must always release the door without prior knowledge of how to operate the device. Many of our panic and exit products have disabled access options and are in accordance with the European performance standard EN1125:1997.

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Providing secure and safe spaces with universal accessibility is a key focus point to ASSA ABLOY. The installation of ASSA ABLOY Opening Solutions' door closers can help meet local accessibility laws and codes. These products ensure that doors close properly every time, independently of the user's ability to pull the door shut.



Technical Quality

TEC1.5 Ease of Cleaning Building Components

Utilize measures which reduce the effort and cost required to clean interior components of the building including measures which make cleaning unnecessary altogether.

Limiting contact between users results in a more hygienic environment from entrance to exit. Entrance automation technology eliminates the need to building users to encounter high-touch handles.

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The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, door and window hardware, locks, access control and service.

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