



The Leadership in Energy and Environmental Design (LEED) Green Building Rating System™ is the nationally accepted benchmark for the design, construction, and operation of high performance green buildings. LEED promotes a whole-building approach to sustainability by recognizing performance in seven key areas of human and environmental health:

- sustainable sites
- water efficiency
- energy and atmosphere
- materials and resources
- indoor environmental quality
- innovation in design
- regional priority credits

ASSA ABLOY Entrance Systems can help to achieve prerequisites and accumulate points in the following categories and credit areas of LEED.

For further information, please refer to our website:

www.assaabloyentrance.us/sustainability

Earth Rangers envisions a world in which everyone is working to protect biodiversity. The Earth Rangers Center in Toronto, Canada is a place where children can learn about our environment, our ecosystem and how their behaviors can help protect life on earth.

Earth Rangers worked closely with ASSA ABLOY Entrance Systems and ASSA ABLOY DSS to source doors, frames and hardware that contribute to an environmentally conscious structure.



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Automatic Entrance Solutions for Sustainable Buildings

ASSA ABLOY Entrance Systems offers complete solutions for entrance automation to help minimize energy loss, improve indoor air quality, increase daylight, control air circulation and optimize the overall energy performance of any building.

With our globally recognized product brands Besam, Crawford, Megadoor and Albany and decades of experience, ASSA ABLOY Entrance Systems can help to achieve prerequisites and accumulate points in the following categories and credit areas of LEED.

For further information on maximizing LEED contribution for your project, contact our team of architects, specifiers and LEED AP team members at 1-877-SPEC-123 or specdesk.na.aes@assaabloy.com.



ENERGY & ATMOSPHERE (EA)

EA Prerequisite 2

Minimum Energy Performance

HC NC R S

Establish the minimum level of energy efficiency for the proposed building and systems to reduce environmental and economic impacts associated with excessive energy use. **ASSA ABLOY Entrance Systems can offer customers exterior door openings that save 10% or more beyond the opaque swinging door requirements of ASHRAE 90.1-2007.**

Besam swing, sliding and revolving doors | Crawford and Megadoor vertical lifting fabric doors | Albany high-speed doors

EA Credit 1

Optimize Energy Performance

CS HC NC R S

Achieve increasing levels of energy performance beyond the prerequisite standard to reduce environmental and economic impacts associated with excessive energy use. **ASSA ABLOY Entrance Systems can offer customers exterior door openings that save 10% or more beyond the opaque swinging door requirements of ASHRAE 90.1-2007.**

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MATERIALS & RESOURCES (MR)

MR Credit 1.2

Building Reuse - Maintain Existing Interior Non-Structural Elements

CI HC NC R S

Extend the lifecycle of existing building stock, conserve resources, retain cultural resources, reduce waste and reduce environmental impacts of new buildings as they relate to materials manufacturing and transport. **The longevity and durability of openings constructed with products from ASSA ABLOY Entrance Systems should allow re-use on LEED projects and help in the attainment of this credit.**

Besam swing, sliding and revolving doors | Crawford and Megadoor vertical lifting fabric doors | Albany high-speed doors

MR Credit 4

Recycled Content

CI CS HC NC R S

Increase demand for building products that incorporate recycled content materials, thereby reducing impacts resulting from extraction and processing of virgin materials. Use materials with recycled content such that the sum of post-consumer recycled content plus 1/2 of the pre-consumer content constitutes at least 10% or 20%, based on cost, of the total value of the materials in the project. The recycled content value of a material assembly is determined by weight. The recycled fraction of the assembly is then multiplied by the cost of assembly to determine the recycled content value. **Almost all products from ASSA ABLOY Entrance Systems contain recycled content and contribute toward this credit.**

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MR Credit 5

Regional Material

CS HC NC R S

(CI allows One point if 20% material by cost is manufactured within 500 miles, second point if 10% is manufactured AND extracted, harvested or recovered.)

Increase demand for building materials and products that are extracted and manufactured within the region, thereby supporting the use of indigenous resources and reducing the environmental impacts resulting from transportation. Use building materials or products that have been extracted, harvested or recovered, as well as manufactured, within 500 miles of the project site for a minimum of 10% or 20%, based on cost, of the total materials value. **Manufacturing facilities for ASSA ABLOY Entrance Systems are located throughout North America and can assist your projects in earning this credit. See individual brand LEED statements for exact locations.**

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CI Commercial Interiors

CS Core and Shell

EBOM Existing Buildings Operations & Maintenance

HC Healthcare

NC New Construction

R Retail

S Schools

INDOOR ENVIRONMENTAL QUALITY (IEQ)

IEQ Prerequisite 2

Environmental Tobacco Smoke (ETS) Control

CI CS EBOM HC NC S

Prevent or minimize exposure of building occupants, indoor surfaces and ventilation air distribution systems to environmental tobacco smoke (ETS). Weatherstrip all doors in the residential units leading to common hallways to minimize air leakage into the hallway.

ASSA ABLOY Entrance Systems can assist LEED projects in achieving this credit.

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IEQ Credit 3.2

Construction Indoor Air Quality Management Plan
– Before Occupancy

CI CS HC NC R S

To reduce indoor air quality (IAQ) problems resulting from construction or renovation to promote the comfort and well-being of construction workers and building occupants.

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IEQ Credit 4.1 & 4.2

Low-Emitting Materials - Adhesives & Sealants,
Paints & Coatings

CI CS HC NC R S

Reduce the quantity of indoor air contaminants that are odorous, irritating and/or harmful to the comfort and well-being of installers and occupants. **This credit only applies to materials applied within the weatherproofing system. ASSA ABLOY Entrance Systems brands, however, offer solutions including pre-finished door openings and pre-installed glazing. This allows LEED projects to avoid applying materials on site.**

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IEQ Credit 4.6

Low-Emitting Materials - Ceiling & Wall Systems

HC R S

Reduce the quantity of indoor air contaminants that are odorous, irritating and/or harmful to the comfort and well-being of installers and occupants. **All gypsum board, insulation, acoustical ceiling systems and wall coverings (including doors) installed in the building interior must meet the testing CA 01350.**

Besam swing, sliding and revolving doors | Albany high-speed doors

IEQ Credit 8.1 & 8.2

Daylight & Views

CI CS HC NC R S

(IEQc.2.4 in EBOM)

Provide building occupants with a connection between indoor spaces and the outdoors through the introduction of daylight and views into the regularly occupied areas of the building. **Adding glazing and sidelite to openings built with products from ASSA ABLOY Entrance Systems will assist projects in achieving this LEED credit.**

Besam swing, sliding and revolving doors | Crawford and Megadoor vertical lifting fabric doors | Albany high-speed doors

IEQ Credit 9

Enhanced Acoustical Performance

HC S (Pilot Credit 24 - Acoustics)

To provide workspaces and classrooms that promote occupants' well-being, productivity, and communications through effective acoustic design. Design the building shell, classroom partitions and other core learning space partitions to meet the Sound Transmission Class (STC) requirements of ANSI Standard S12.60-2002, Acoustical Performance Criteria, Design Requirements and Guidelines for Schools, except windows, which must meet an STC rating of at least 35.

ASSA ABLOY Entrance Systems offers a wide range of STC door solutions that can help LEED projects gain credit for Enhanced Acoustical Performance.

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IEQ Credit 10

Mold Prevention

S



Reduce the potential presence of mold in schools through preventive design and construction measures. **Products from ASSA ABLOY Entrance Systems brands offer MicroShield® antimicrobial coatings. This natural silver ion antimicrobial coating can be applied to doors and hardware and act as an additional preventative measure to assist school projects in achieving this credit.**

Besam swing, sliding and revolving doors | Albany high-speed doors

ASSA ABLOY Entrance Systems is a leading supplier of entrance automation solutions for efficient flow of goods and people. With our globally recognized product brands Besam, Crawford, Megadoor and Albany, we offer products and services dedicated to satisfying end-user needs for safe, secure, convenient and sustainable operations. ASSA ABLOY Entrance Systems is a division within ASSA ABLOY.

ASSA ABLOY

assaabloyentrance.us | assaabloyentrance.ca



ASSA ABLOY Entrance Systems SPECDESK

ASSA ABLOY Entrance Systems has a full staff of architects, specifiers, and LEED AP team members. Contact our team for project specific consultations to maximize the LEED contribution for your project.

Simply contact the ASSA ABLOY Entrance Systems SpecDesk at 1-877-SPEC-123 or specdesk.na.aes@assaabloy.com for an immediate response for application advice, plan review and 3-part specification development. You may also visit our web site at assaabloyentrance.us to view our product line and access individual brand websites to download specifications and drawings.



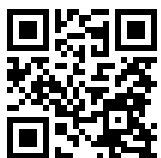
Sustainable Designs and Technology

Entrance automation is the first step to managing excessive energy usage. Our intelligent products provide a range of options to help minimize energy loss, improve indoor air quality, increase daylight, control air circulation, and optimize the overall energy performance of any building.



Environmental Product Declaration

An Environmental Product Declaration, EPD, is a verified document that reports environmental data of products based on life cycle assessment (LCA) and other relevant information and in accordance with the international standard ISO 14025 (Type III Environmental Declarations).



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