

ASSA ABLOY Door Security Solutions LEED® 2009 Certification Contribution

ASSA ABLOY

The global leader in
door opening solutions



Chicago is now among the largest users of green energy in the country, with a goal of using renewable energy for roughly a quarter of city operations.

“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 and regional priority credits.”

ASSA ABLOY opening solutions can help to achieve prerequisites and accumulate points in the following categories and credit areas of LEED. For further information, please contact our Architectural Team at 877-303-7629 or refer to our website www.assaabloydss.com/sustainability



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ENERGY & ATMOSPHERE (EA)

EA Prerequisite 2

Minimum Energy Performance

CS HC NCR 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 Group brands can offer customers exterior door openings that save 10% or more beyond the opaque swinging door requirements of ASHRAE 90.1-2007.**

**BARON | CECO DOOR | CORBIN RUSSWIN | CURRIES | NORTON | PEMKO
SARGENT | YALE**

EA Credit 1

Optimize Energy Performance

CS HC NCR S

Achieve increasing levels of energy performance beyond the prerequisite standard to reduce environmental and economic impacts associated with excessive energy use. **ASSA ABLOY Group brands 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 Group brands should allow re-use on LEED projects and help in the attainment of this credit.**

**BARON | CECO DOOR | CURRIES | FRAMEWORKS | GRAHAM | MAIMAN
SMP SPECIALTY 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 Group brands contain recycled content and contribute toward this credit.**

**ADAMS RITE | BARON | CECO DOOR | CORBIN RUSSWIN | CURRIES | FRAMEWORKS
GRAHAM | HES | MAIMAN | MARKAR | MCKINNEY | MEDECO | NORTON | PEMKO
RIXSON | ROCKWOOD | SARGENT | SECURITRON | SMP SPECIALTY DOORS | YALE**

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 manufac-
tured 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 Group brands 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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MR Credit 6

Rapidly Renewable
CI NC R S

Reduce the use and depletion of finite raw materials and long-cycle renewable materials by replacing them with rapidly renewable materials. Use rapidly renewable building materials and products for 2.5% of the total value of all building materials and products used in the project, based on cost. Rapidly renewable building materials and products are made from plants that are typically harvested within a 10-year or shorter cycle. **GRAHAM and MAIMAN offer an agrifiber core made of wheat stalks. ROCKWOOD has bamboo and cork inserts that can help projects qualify for this credit.**

GRAHAM | MAIMAN | ROCKWOOD

MR Credit 7

Certified Wood
CI NC R S (MRc6 in CS)

Encourage environmentally responsible forest management. Use a minimum of 50% (based on cost) of wood-based materials and products that are certified in accordance with the Forest Stewardship Council's (FSC) principles and criteria, for wood building components. These components include at a minimum, structural framing and general dimensional framing, flooring, sub-flooring, wood doors and finishes. **GRAHAM and MAIMAN have FSC certified products across their product lines. Many of our distributors have FSC COC to help projects qualify for this credit.**

GRAHAM | MAIMAN

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. **PEMKO can assist LEED projects in achieving this credit.**

PEMKO

IEQ Credit 3.2

Construction Indoor Air Quality Management Plan – Before Occupancy

CI CS HC NC S R

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. **Project teams specify interior doors meeting GREENGUARD Children and Schools testing will assist with IEQ 3.2 compliance.**

BARON | CECO DOOR | CURRIES | FRAMEWORKS | GRAHAM | MAIMAN

IEQ Credit 4.1 & 4.2

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

CI CS HC NC S R

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 Group 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 4.4

Low-Emitting Materials - Composite Wood & Agrifiber Products

CI CS NC (HC, R and S requires 1350 test, GREENGUARD, CHPS)



Reduce the quantity of indoor air contaminants that are odorous, irritating and/or harmful to the comfort and well-being of installers and occupants. Composite wood and agrifiber products used on the interior of the building (i.e., inside the weatherproofing system) must contain no added urea-formaldehyde (NAUF) resins. **GRAHAM and MAIMAN have NAUF and CARB 2 certified products available across their product lines.**

GRAHAM | MAIMAN

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. Requires GREENGUARD indoor Air Quality certification.**

BARON | CECO DOOR | CURRIES | FRAMEWORKS | GRAHAM | MAIMAN

ASSA ABLOY is the global leader in door opening solutions, dedicated to satisfying end-user needs for security, safety and convenience.

ASSA ABLOY

INDOOR ENVIRONMENTAL QUALITY (IEQ)

IEQ Credit 5

Indoor Chemical & Pollutant Source Control
CS CI HC NCR S

Minimize building occupant exposure to potentially hazardous particulates and chemical pollutants. Sufficiently exhaust each space where hazardous gases or chemicals may be present or used (e.g., garages, housekeeping and laundry areas, copying and printing rooms) to create negative pressure with respect to adjacent spaces when the doors to the room are closed. For each of these spaces, provide self-closing doors and deck-to-deck partitions or a hard-lid ceiling. **Door closers and gasketing from ASSA ABLOY Group brands should be specified on all openings where hazardous particulates and chemical pollutants may be present.**

CORBIN RUSSWIN | NORTON | PEMKO | RIXSON | SARGENT | YALE

IEQ Credit 8.1 & 8.2

Daylight & Views
CS CI HC NCR 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 sidelights to openings built with products from ASSA ABLOY Group brands will assist projects in achieving this LEED credit.**

**BARON | CECO DOOR | CURRIES | FRAMEWORKS | GRAHAM | MAIMAN | PEMKO
SMP SPECIALTY DOORS**

LEED Pilot Credit 43

Certified Products
CI CS HC NCR S

Increase the use of products and materials with life cycles, ingredients, and attributes understood and optimized to improve overall environmental, economic and social performance. Specify and install non-structural products and materials with third party certified attributes for a weighted value of at least 10% of the total value of all non-structural materials and products. ISO Type I and III Declarations qualify for this credit. **GRAHAM and MAIMAN doors provide single attribute certification through FSC and contribute 50% based on cost. Maiman doors provide single attribute certification of recycled content through SCS and contribute 50% based on cost. The Trio E door from CECO DOOR and CURRIES provides third party certification to UL 102 and contributes 100% as a Type 1 Environmental label.**

IEQ Credit 9

Enhanced Acoustical Performance
S HC, 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 offers a wide range of STC door solutions that can help LEED projects gain credit for Enhanced Acoustical Performance.**

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SARGENT | SMP SPECIALTY DOORS | YALE**

IEQ Credit 10

Mold Prevention
S



Reduce the potential presence of mold in schools through preventive design and construction measures. **Products from ASSA ABLOY Group 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.**

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Door Security Solutions®

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