

CORBIN RUSSWIN LEED® 2009 Certification Contribution

ASSA ABLOY, the global leader in door opening solutions



“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.”

For over 160 years, CORBIN RUSSWIN has been the premier manufacturer of architectural hardware, providing exceptional security and design solutions for institutions nationwide. The company’s wide range of products includes access control solutions, life safety solutions, a wide range of locksets, exit devices, levers, trim and more.

CORBIN RUSSWIN can help to achieve prerequisites and accumulate points in the following categories and credit areas of LEED. For further information, please call 800-543-3658 or refer to our website www.corbinrusswin.com or www.assaabloydss.com/sustainability



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Energy & Atmosphere (EA)

EA Prerequisite 2
Minimum Energy Performance
NC CS 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.
CORBIN RUSSWIN hardware and door closers insure exterior door openings are latched and closed, reducing air infiltration and saving 10% or more in improved energy efficiency.

EA Credit 1
Optimize Energy Performance
NC CS S

Achieve increasing levels of energy performance beyond the prerequisite standard to reduce environmental and economic impacts associated with excessive energy use.
CORBIN RUSSWIN hardware and door closers insure exterior door openings are latched and closed, reducing air infiltration and saving 10% or more in improved energy efficiency.

Materials & Resources (MR)

MR Credit 4

Recycled Content
NC CS S CI

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 CORBIN RUSSWIN solutions contain recycled content, allowing most of our products to contribute toward this credit.**

CORBIN RUSSWIN Product	Post-consumer Recycled Content *	Pre-consumer Recycled Content **	Total Recycled Content Percentage
Mortise Locks	62.1%	0%	62.1%
Cylindrical Lock	60.1%	0%	60.1%
Exit Devices	54.5%	0%	54.5%
Door Closers (Cast Iron)	51%	0%	51%
Door Closers (Aluminum)	87.5%	0%	87.5%

*Recycled content defined in accordance with industry standards.

**Pre-consumer recycled content refers to waste material that is immediately placed back into the production cycle.

Waste materials generated by the production of these products are collected and shipped off site where it then reenters the recycle stream.

MR Credit 5

Regional Material

NC CS 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.

CORBIN RUSSWIN Product	Manufacturing /Final Assembly location
All Corbin Russwin products (with the exception of door closers and holders)	225 Episcopal Road, Berlin, CT. 06037
Door closers and holders	Highway 74 East, Monroe, N.C. 28111



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Indoor Environmental Quality (IEQ)

IEQ Credit 4.1 & 4.2
Low-Emitting Materials -
Adhesives & Sealants,
Paints & Coatings
NC CS S CI

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. CORBIN RUSSWIN products should have no impact on LEED projects achieving this credit.**

IEQ Credit 5
Indoor Chemical & Pollutant
Source Control
NC CS S CI

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. **CORBIN RUSSWIN door closers should be specified on all openings where hazardous particulates and chemical pollutants may be present.**

LEED for Schools Specific Credits

IEQ Credit 9
Enhanced Acoustical
Performance
S (NC can earn Innovation credits for Enhanced Acoustical Performance)

To provide classrooms that facilitates better teacher-to-student and student-to-student communications through effective acoustical 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. **CORBIN RUSSWIN hardware and door closers insure STC rated door openings are latched and closed, reducing sound infiltration and helping LEED projects gain credit for Enhanced Acoustical Performance.**

IEQ Credit 10
Mold Prevention
S



To reduce the potential presence of mold in schools through preventive design and construction measures. **CORBIN RUSSWIN products offer MicroShield® anti-microbial coatings. This natural anti-microbial coating can be applied to CORBIN RUSSWIN hardware and act as an additional preventative measure to assist school projects in achieving this credit.**

LEED EBOM Specific Credits

MR Credit 3
Sustainable Purchasing -
Facility Alterations & Additions
EBOM

Reduce the environmental and air quality impacts of the materials acquired for use in the upgrade of buildings. Maintain a sustainable purchasing program covering materials for facility renovations, demolitions, refits and new construction additions. **CORBIN RUSSWIN can help sustainable purchasing programs meet many of the requirements to obtain this credit.**

MR Credit 9
Solid Waste Management -
Facility Alterations & Additions
EBOM

To divert construction and demolition debris from disposal to landfills and incineration facilities. Redirect recyclable recovered resources back to the manufacturing process and reusable materials to appropriate sites. **Many CORBIN RUSSWIN products can be recycled (in the case of our metal products, potentially infinitely) and reused. We strive to make durable sustainable products that can assist projects in attaining this credit.**

NC: New Construction **CS:** Core and Shell **S:** Schools **CI:** Commercial Interiors **EBOM:** Existing Building Operations & Maintenance

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

Corbin Russwin Architectural Hardware

For more information call 800-543-3658 or visit us online at www.corbinrusswin.com or www.assaabloydss.com/sustainability



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