RETROLOCK®
Design + Build Door Hardware

The Leadership in Energy and Environmental Design

U.S. GREEN BUILDING COUNCIL LEED GREEN BUILDING RATING STATEMENT

"The Leadership in Energy and Environmental Design (LEED) Green Building 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 five key areas of human and environmental health: sustainable site development, water savings, energy efficiency, materials selection, and indoor environment quality."

Material and Resources-Recycled Content:

MR Credit 4.1: Recycled Content: 10% (post-consumer + ½ pre-consumer)
1 Point

Requirements: Use materials with recycled content such that the sum of post-consumer recycled content plus one-half of the pre-consumer content constitutes at least 10% (based on cost) of the total value of the materials in the project.

The recycled content value of a material assembly shall be determined by weight. The recycled fraction of the assembly is then multiplied by the cost of assembly to determine the recycled content value.

Recycled content shall be defined in accordance with the International Organization of Standards document, *ISO 14021—Environmental labels and declarations—Self-declared environmental claims (Type II environmental labeling).*

Post-consumer material is defined as waste material generated by households or by commercial, industrial and institutional facilities in their role as end-users of the product, which can no longer be used for its intended purpose.

Pre-consumer material is defined as material diverted from the waste stream during the manufacturing process. Excluded is reutilization of materials such as rework, regrind or scrap generated in a process and capable of being reclaimed within the same process that generated it.

MR Credit 4.2: Recycled content: 20% (post-consumer + ½ pre-consumer)
1 Point in addition to the MR Credit 4.1

Requirements: Use materials with recycled content such that the sum of post-consumer recycled content plus one-half of the pre-consumer content constitutes an additional 10% beyond MR Credit 4.1 (total 20%, based on cost) of the total value of the materials in the project.
Statement-Recycled Content:

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After reviewing the current LEED rating systems, the following table outlines the recycled content of all RetroLock products that contribute to the MR Credit 4.1 and 4.2 as defined in accordance with industry standards.

RetroLock Product	Post-Consumer Recycled Content (%)	Pre-Consumer Recycled Content (%)	Total LEED Recycled Content (%)
Mortise Locks	50%	5%	55%
Rejuvenator / Retrofit Mortise Lock Trims	48%	0%	48%
Anti-Ligature Locks	60%	0%	60%
Cylindrical Locks	52%	0%	52%
Tubular Locks	60%	0%	60%
Deadbolts and Interconnected Locks	50%	0%	50%
Exit Devices	51%	0%	51%
Door Closers	50%	0%	50%

Materials and Resources – Regional Materials:

MR Credit 5.1: Regional Materials: 10% Extracted, Processed & Manufactured Regionally
1 Point

Requirements: 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% (based on cost) of the total materials value. If only a fraction of a product or material is extracted/harvested/recovered and manufactured locally, then only that percentage (by weight) shall contribute to the regional value.

MR Credit 5.2: Regional Materials: 20% Extracted, Processed and Manufactured Regionally
1 Point in addition to MR Credit 5.1

Requirements: Use building materials or products that have been extracted, harvested or recovered, as well as manufactured, within 500 miles of the project site for an additional 10% beyond MR Credit 5.1 (total of 20%, based on cost) of the total materials value. If only a fraction of the material is extracted/harvested/recovered and manufactured locally, then only that percentage (by weight) shall contribute to the regional value.

Statement-Manufacturing Locations for Regional Materials:

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"Manufactured refers to the final assembly of components into the building product." The follow table outlines RetroLock products that may support MR Credit 5.1 and 5.2 depending on the location of the specific project being certified.

RetroLock Product	Manufacturing Location
Mortise Locks	17915 Railroad Street City of Industry, CA 91748
Rejuvenator / Retrofit Mortise Lock Trims	17915 Railroad Street City of Industry, CA 91748
Anti-Ligature Locks	17915 Railroad Street City of Industry, CA 91748
Cylindrical Locks	17915 Railroad Street City of Industry, CA 91748
Tubular Locks	17915 Railroad Street City of Industry, CA 91748
Deadbolts and Interconnected Locks	China, Taiwan, and/or South Korea
Exit Devices	China, Taiwan, and/or South Korea
Door Closers	China, Taiwan, and/or South Korea

Indoor Environment Quality – Low Emitting Materials:

Requirements: Reduce the quantity of indoor air contaminants that are odorous, irritating, and/or harmful to the comfort and well-being of installers and occupants.

Statement – Indoor Environment Quality Low Emitting Materials:

RetroLock Product	Volatile Organic Compounds
All	Do not produce VOC emissions