



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

Materials and Resources: Regional Materials, LEED-CI PROGRAM

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 transpiration.

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

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

Credit	Requirement
Regional Materials MR 5.1	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 materials is extracted/harvested/recovered and manufactured locally, then only that percentage (by weight) shall contribute to the regional value.
Regional Materials MR 5.2	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 addition 10% beyond MR Credit 5.1 (total of 20%, based on cost) of the total materials value. If only a fraction of a product or materials is extracted/harvested/recovered and manufactured locally, then only that percentage (by weight) shall contribute to the regional value.

The table outlines Pamex Locks that may support MR Credit 5.1 and 5.2 depends on the location of the specific project being certified.

Manufacturing Locations and Final Assembly Location

Pamex Products	Location	Final Assembly
FD2/FD3 Deadbolt	Shanghai, China	Shanghai, China
FD7/FD8 Deadbolt	Taiwan	Taiwan
Handlesets	Taiwan	Taiwan
Leversets	Shanghai, China/Taiwan	Shanghai, China/Taiwan
Knobsets	Shanghai, China/Taiwan	Shanghai, China/Taiwan

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Based on the review of current LEED rating systems for applicability to architectural door hardware, Pamex Locks state the following:

Materials and Resources: Recycled Content

Credit	Requirement
Recycled Content MR 4.1	Use materials with recycled content such that the sum of the post-consumer recycled content plus one-half of the pre-consumer content constitutes at least 10% of the total values of the material in the project.
Recycled Content MR 4.1	Use materials with recycled content such that the sum of the post-consumer recycled content plus one-half of the pre-consumer content constitutes an additional 10% beyond MR Credit 4.1 (total of 20% based on cost) of the total values of the material in the project.

Post-consumer material is defined as waste material generated by households or by commercial, industrial and institution facilities in their role as end-user 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.

Breakdown of Recycle Rates

Total Recycled Content = post-consumer+1/2 pre-consumer
 MR credit 4.1 > 10% MR Credit 4.2 > 20%

Pamex Product	Post-Consumer Recycled Content	Pre-Consumer Recycled Content	Total LEED Recycled Content Percentage
FD2 Deadbolts	16%	23%	27.5%
FD3 Deadbolts	15%	26%	28.0%
FD7 Deadbolts	12%	27%	25.5%
Handlesets	12%	27%	25.5%
Leversets	13%	26%	26.0%
Knobsets	19%	22%	30.0%