



Ingersoll Rand Security Technologies
11819 N Pennsylvania Avenue
Carmel, IN 46032

U.S. Green Building Council LEED-NC Rating System Version 2.2 Statement

Recycled Content

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

Intent: Increase demand for building products that incorporate recycled content materials, thereby reducing impacts resulting from extraction and processing of virgin materials.

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 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 of 20%, based on cost) of the total value of the materials in the project.

The following table outlines the Ingersoll Rand Security Technologies and products that contribute to MR Credit 4.1 and MR Credit 4.2.

Breakdown of Recycle Rates				
Brand	Product	% Post-Industrial	% Post-Consumer	Total LEED Percentage
Schlage	L-Series Mortise Lock	23.3%	29.9%	41.6%
	A-Series Mortise Lock	17.9%	32.7%	41.7%
	AL-Series Cylindrical Lever	19.5%	23.9%	33.7%
	B-Series Deadbolt	21.3%	15.3%	26.0%
	B600- Series Deadbolt	19.5%	23.9%	33.7%
	ND-Series Lock	19.7%	23.1%	33.0%
	H-Series Interconnect	16.4%	36.9%	45.1%
	S-Series Tubular Lock	18.1%	25.8%	34.9%
	S200-Series Lock	17.8%	29.8%	38.7%
	CL-Series Lock	2.6%	4.1%	5.4%
	F-Series Tubular Lock	18.6%	23.6%	32.9%
Von Duprin	6211/ 6211WF	14.6%	43.9%	51.2%
	6111	15.5%	41.8%	49.6%
	33/35 A	34.7%	28.8%	46.2%
	98/99	34.6%	28.9%	46.2%
	22	16.1%	42.8%	50.9%
LCN	1460	14.6%	43.9%	51.2%
	ME	14.6%	43.9%	51.2%
	4010/4110	14.6%	43.9%	51.2%
	4040/4040XP	14.6%	43.9%	51.2%
	4030	14.6%	43.9%	51.2%
	Concealed	14.6%	43.9%	51.2%
	SE	18.3%	41.1%	50.3%
	7850	8.0%	23.9%	27.9%
	1980	16.9%	32.3%	40.7%
	Benchmark	21.0%	39.0%	49.5%
	Senior Swing	26.1%	35.3%	48.4%
	Astro Swing	26.1%	35.3%	48.4%
	Middle Swing	26.1%	35.3%	48.4%
Auto Equalizer	23.9%	36.9%	48.8%	

* Recycled content based on LEED formula and industry recycled material averages as stated by industry associations and/or councils.

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Regional Material

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

Intent: 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.

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 & Manufactured Regionally **1 Point in addition to MR Credit 5.1**

Intent: 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.

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.

The table on the following page outlines the Ingersoll Rand Security Technologies brands and products that may support MR Credit 5.1 and MR Credit 5.2 depending on the location of the specific project being certified

Manufacturing Locations for Regional Material

Brand	Product	Location	Final Assembly
Schlage	L-Lock	Security, Colorado and/or El Sauzal, Mexico	Security, Colorado and/or El Sauzal, Mexico
	ND-Lock		
	A-Series Mortise Lock		
	AL-Series Cylindrical Lever		
	B-Series Deadbolt		
	B600-Series Deadbolt		
	ND-Series Lock		
	H-Series Interconnect		
	S-Series Tubular Lock		
	S200-Series Lock		
CL-Series Lock	U.S.	Forestville, CT	
F-Series Tubular Lock	Ensenada, Mexico	Shanghai, China	
LCN	1460	Princeton, Illinois	Princeton, Illinois
	ME		
	Pneumatic		
	4010/4110		
	4040/4040XP		
	4030		
	Concealed		
	SE		
	Benchmark		
	Senior Swing		
	Astro Swing		
	Middle Swing		
	Auto Equalizer		
1980	China	China	
7850			
Von Duprin	6211	Indianapolis, Indiana	Indianapolis, Indiana
	6211 WF		
	6111		
	33/35 A		
	98/99		
	22		