



Ingersoll Rand Security Technologies  
11819 Pennsylvania Ave.  
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-Consumer Recycled Content (%)	Pre-Consumer Recycled Content (%)	Total LEED %
<b>Schlage</b>	<b>AL-Series Cylindrical Lock</b>	16.7%	24.7%	29.1%
	<b>A-Series Cylindrical Lock</b>	22.0%	21.8%	32.9%
	<b>B500 Series Deadbolt</b>	11.5%	27.7%	25.4%
	<b>B600 Series Deadbolt</b>	16.7%	24.7%	29.1%
	<b>CL-Series Cabinet Lock</b>	21.2%	22.9%	32.6%
	<b>F-Series Tubular Lock</b>	16.5%	24.4%	28.7%
	<b>H-Series Interconnect</b>	24.6%	20.0%	34.6%
	<b>L-Series Mortise Lock</b>	15.5%	27.0%	29.0%
	<b>ND-Series Cylindrical Lock</b>	16.2%	25.0%	28.7%
	<b>S200-Series Tubular Interconnect Lock</b>	20.3%	22.4%	31.5%
	<b>S-Series Tubular Lock</b>	15.2%	25.2%	27.7%
	<b>Cylinders: (Mortise, SFIC, FSIC)</b>	6.0%	33.9%	22.9%
<b>Schlage Electronics</b>	<b>CM-5196 Cylindrical</b>	9.2%	25.8%	22.1%
	<b>KC-5196 Cylindrical</b>	7.1%	30.0%	22.1%
	<b>PRO-5196 Cylindrical</b>	9.2%	25.8%	22.1%
	<b>CL-5596</b>	10.2%	26.5%	23.4%
	<b>WA-5696 Wireless</b>	12.3%	22.6%	23.6%
	<b>VIP-5596</b>	10.2%	26.5%	23.4%
	<b>KC 5190-2</b>	7.1%	30.0%	22.1%
	<b>PIM-485-OTD</b>	1.8%	2.7%	3.2%
	<b>WRI-OTD-12VDC</b>	1.5%	2.2%	2.6%
	<b>993 Series</b>	7.9%	27.2%	21.5%
	<b>MPC</b>	7.1%	28.0%	21.1%
	<b>MPM</b>	10.7%	26.5%	24.0%
	<b>390+ &amp; 390 DEL</b>	25.5%	21.9%	36.4%
	<b>350 +</b>	25.3%	22.7%	36.6%
	<b>320 +</b>	24.7%	23.1%	36.2%
	<b>101 +</b>	25.9%	25.8%	38.8%
	<b>280 +</b>	27.1%	18.8%	36.5%
	<b>GF 3000</b>	27.1%	18.5%	36.3%

Von Duprin	6211 / 6211WF	26.9%	18.8%	36.3%
	6111	27.5%	18.3%	36.7%
	33/35A	26.3%	31.5%	42.0%
	98/99	26.3%	31.4%	42.0%
	22	28.6%	18.5%	37.8%
LCN	1460	28.8%	17.4%	37.5%
	2310 / 4310 / 4410ME	28.8%	17.4%	37.5%
	4010 / 4110	28.8%	17.4%	37.5%
	4040SE / 4040XP	28.8%	17.4%	37.5%
	4030	28.8%	17.4%	37.5%
	2000 / 3000 / 5000 / 6000 Concealed	28.8%	17.4%	37.5%
	SE	28.3%	19.9%	38.3%
	7800 Series Magnets	15.7%	9.5%	20.5%
	1900 Series Magnets	21.8%	21.4%	32.5%
	Benchmark	28.0%	21.9%	38.9%
	Senior, Astro, & Middle Swing	27.4%	25.4%	40.1%
	Auto Equalizer	27.6%	23.9%	39.6%
Ives	Iron & Steel Kickplate or Hinge	28.8%	17.4%	37.5%
	Brass Kickplate or Hinge	6.0%	33.9%	22.9%
Steelcraft	All Doors and Frames	28.8%	17.4%	37.5%
Glynn-Johnson	Brass Base: Hospital Latch	14.2%	27.9%	28.2%
	Brass Base: Concealed Overhead Holders & Stops	11.7%	29.8%	26.6%
	Steel: Hospital Latch, Surface & Concealed Overhead Holders & Stops	28.8%	17.4%	37.5%
	Surface Overhead Holders & Stops, Brass	6.0%	33.9%	22.9%

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

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

### 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 pages 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.

<b>Manufacturing Locations for Regional Materials</b>			
<b>Brand</b>	<b>Product</b>	<b>Location</b>	<b>Final Assembly</b>
<b>Schlage</b>	<b>AL-Series Cylindrical Lock</b>	Security, Colorado and/or El Sauzal, Mexico	Security, Colorado and/or El Sauzal, Mexico
	<b>A-Series Cylindrical Lock</b>		
	<b>B500 Series</b>		
	<b>B600 Series</b>		
	<b>Cylinders: (Mortise, FSIC, SFIC)</b>		
	<b>H-Series Interconnect</b>		
	<b>L-Series Mortise Lock</b>		
	<b>ND-Series Cylindrical Lock</b>		
	<b>S-Series Tubular Lock</b>		
	<b>S200-Series Tubular Interconnect Lock</b>		
	<b>CL-Series Cabinet Lock</b>	China	China
	<b>F-Series Tubular Lock</b>	Ensenada, Mexico	Shanghai, China
<b>Schlage Electronics</b>	<b>CM-5196</b>	U.S.	Forestville, CT
	<b>KC-5196</b>		
	<b>PRO-5196</b>		
	<b>CL-5596</b>		
	<b>WA-5696</b>		
	<b>VIP-5596</b>		
	<b>KC-5190-2</b>		
	<b>993 Series</b>		
	<b>MPC</b>		
	<b>390+ &amp; 390 DEL</b>		
	<b>350+</b>		
	<b>320+</b>		
	<b>280+</b>		
	<b>101+</b>		
	<b>GF 3000</b>		
	<b>MPM</b>	Tranceiver and Readers from Mexico	
	<b>PIM-485-OTD</b>	Parts and Final Assembly in Mexico	
	<b>WRI-OTD-12VDC</b>		

<b>LCN</b>	<b>1460</b>	Princeton, Illinois	Princeton, Illinois
	<b>ME</b>		
	<b>4010 / 4110</b>		
	<b>4040 / 4040XP</b>		
	<b>4030</b>		
	<b>Concealed</b>		
	<b>SE</b>		
	<b>Auto Equalizer</b>		
	<b>1980</b>	China	China
	<b>7850</b>		
<b>Von Duprin</b>	<b>6211 / 6211WF</b>	Indianapolis, Indiana	Indianapolis, Indiana
	<b>6111</b>		
	<b>33/35A</b>		
	<b>98/99</b>		
	<b>22</b>		
<b>Ives</b>	<b>Brass or Iron &amp; Steel Kickplate</b>	New Haven, CT	New Haven, CT
	<b>Brass or Iron &amp; Steel Hinge</b>	China	China
<b>Steelcraft Doors and Frames</b>	<b>All Doors &amp; Frames</b>	Cincinnati, OH and/or Suwanee, GA and/or Chino, CA	Cincinnati, OH and/or Suwanee, GA and/or Chino, CA
<b>Glynn-Johnson</b>	<b>Hospital Latches</b>	Indianapolis, Indiana	Indianapolis, Indiana
	<b>Surface Overhead Holders &amp; Stops</b>		
	<b>Concealed Overhead Holders &amp; Stops</b>		