

Architectural Hardware

LEED 2009 for new construction and
major renovations rating system

As a global company, we are taking the initiative to offer environmentally friendly products to better support our communities' sustainability needs.

LEED certification focuses on five distinct areas of building performance: sustainable sites, water efficiency, energy and atmosphere, materials and resources, and indoor environmental quality.

From these five focus areas, a series of benchmarks is established for each and credits are awarded based on the completion of each benchmark.

As environmental awareness grows around the world, people are seeing the value in programs such as LEED. In addition to ensuring environmentally safe and sustainable buildings, becoming LEED certified has many incentives. National, state, and local governments are implementing LEED initiatives, in which they standardize LEED certification for all new construction. Some governments are also providing financial incentives for buildings that become LEED certified, such as discounted or fast track building permits.

Alliegion has recognized the value of the LEED rating system and we are continuing to provide you with information for various LEED credits.

Currently, many products offered by Schlage, Von Duprin, LCN, Steelcraft, Falcon, Glynn-Johnson and Ives contribute to a project's LEED certification in the following credits:

- Materials & Resources Credit 4—Recycled Content
- Materials & Resources Credit 5—Regional Manufacture

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Recycled content
MR Credit 4: 1 - 2 Points

Intent

To 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 postconsumer recycled content plus 1/2 of the preconsumer content constitutes at least 10% or 20%, based on cost, of the total value of the materials in the project.

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. Reutilization of materials (i.e., rework, regrind or scrap generated in a process and capable of being reclaimed within the same process that generated it) is excluded.

Minimum percentage materials recycled for each point threshold:

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.

Mechanical, electrical and plumbing components and specialty items such as elevators cannot be included in this calculation. Include only materials permanently installed in the project.

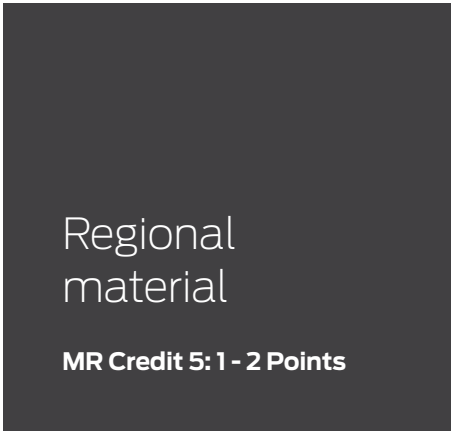
Recycled content	Points
10%	1
20%	2

Potential technologies and strategies

Establish a project goal for recycled content materials, and identify material suppliers that can achieve this goal. During construction, ensure that the specified recycled content materials are installed. Consider a range of environmental, economic and performance attributes when selecting products and materials.

The table on the following pages outlines the Allegion products that contribute to MR Credit 4.

Allegion LEED® information is published in accordance with ISO 14021 - Environmental labels and declarations – Self-declared environment claims



Intent

To 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% or 20%, based on cost, of the total materials value. If only a fraction of a product or material is extracted, harvested, or recovered and manufactured locally, then only that percentage (by weight) can contribute to the regional value.

Minimum percentage regional materials for each point threshold

Mechanical, electrical and plumbing components and specialty items such as elevators and equipment must not be included in this calculation. Include only materials permanently installed in the project.

Recycled content	Points
10%	1
20%	2

Potential technologies and strategies

Establish a project goal for locally sourced materials, and identify materials and material suppliers that can achieve this goal. During construction, ensure that the specified local materials are installed, and quantify the total percentage of local materials installed. Consider a range of environmental, economic and performance attributes when selecting products and materials.

The table on the following pages outlines the Allegion products that may support MR Credit 5 depending on the location of the specific project being certified.

Breakdown of recycle rates

Brand	Product	Post-consumer recycled content %	Pre-consumer recycled content %	Total LEED %	Manufacturing location
Locks					
Schlage	A-Series Cylindrical Lock	46.1%	26.9%	59.5%	Security, CO or Ensenada, Mexico
	AL-Series Cylindrical Lock	35.5%	24.8%	47.9%	
	B500-Series Deadbolt	25.6%	22.3%	36.7%	
	B600-Series Deadbolt	35.5%	24.8%	47.9%	
	B700/800-Series Deadbolt	35.5%	24.8%	47.9%	Security, CO
	CL-Series Cabinet Lock	47.4%	24.6%	59.7%	China
	F-Series Tubular Lock	33.1%	26.0%	46.1%	Ensenada, Mexico or China
	H-Series Cylindrical Interconnect	49.7%	28.9%	64.1%	Security, CO
	L-Series Mortise Lock	40.4%	19.5%	50.2%	Security, CO or Ensenada, Mexico
	ND-Series Cylindrical Lock	34.6%	24.5%	46.8%	
	S200-Series Tubular Interconnect	41.2%	27.1%	54.8%	
	S-Series Tubular Lock	30.4%	25.4%	43.1%	
	CS200-Series Interconnected Lock	41.2%	27.1%	54.8%	
Cylinders: (Mortise, SFIC, FSIC)	28.4%	10.9%	33.9%		
Falcon	B Series	36.7%	24.2%	48.8%	Taiwan
	W Series	39.7%	24.9%	52.1%	
	D Series	34.7%	19.4%	44.4%	Ensenada, Mexico
	T Series	47.0%	27.3%	60.7%	
	MA Series	42.7%	21.2%	53.3%	
Glynn-Johnson	Hospital Latch - Brass Base Material	38.8%	18.4%	47.9%	Indianapolis, IN
	Hospital Latch - Stainless Steel Base Material	56.9%	31.4%	72.7%	
Electronic Locks					
Schlage*	AD 200/AD 201	26.6%	23.0%	38.2%	Security, CO or Ensenada, Mexico
	AD 250	23.3%	21.3%	33.9%	
	AD 300/301	25.6%	23.1%	37.2%	
	AD 400/401	27.0%	22.8%	38.4%	
	CO 100	30.4%	24.2%	42.5%	Ensenada, Mexico
	CO 200/220	29.7%	23.1%	41.3%	
	CO 250	25.2%	20.1%	35.3%	
	PIM400	2.9%	1.6%	3.6%	Security, CO or Ensenada, Mexico
	PIB300	2.9%	1.6%	3.7%	
WPR400	1.9%	1.1%	2.5%		
Magnetic Locks					
Schlage*	M490	24.2%	19.6%	59.8%	Security, CO or China
	M450	23.1%	19.0%	55.7%	
	M420	21.9%	18.4%	53.0%	
	M490DE	23.3%	18.3%	56.7%	
	M490G	24.6%	19.2%	60.2%	
	320M	27.2%	18.7%	68.8%	China
	GF 3000	27.1%	18.4%	69.5%	

* Orders processed to meet BAA/ARRA requirements are assembled in the U.S.

Breakdown of recycle rates

Brand	Product	Post-consumer recycled content %	Pre-consumer recycled content %	Total LEED %	Manufacturing location
Power Supplies					
Schlage*	PS902	6.3%	9.7%	14.6%	Security, CO, Indianapolis, IN or China
	PS904	14.4%	21.0%	33.1%	
	PS906	13.5%	20.4%	31.6%	
Von Duprin*	PS914	12.5%	18.7%	30.3%	Indianapolis, IN or China
Closers					
LCN	1260	56.9%	31.4%	72.7%	Princeton, IL
	1460	56.9%	31.4%	72.7%	
	ME	56.9%	31.4%	72.7%	
	Pneumatic Auto Equalizer	54.1%	31.8%	70.0%	
	4010	56.9%	31.4%	72.7%	
	4110	56.9%	31.4%	72.7%	
	4040XP	56.9%	31.4%	72.7%	
	4030	56.9%	31.4%	72.7%	
	Concealed	56.9%	31.4%	72.7%	
	SE	53.8%	31.8%	69.8%	
	7800	31.1%	17.1%	39.6%	China
	1900	43.3%	28.3%	57.5%	Princeton, IL
	Auto Equalizer	49.1%	32.4%	65.3%	
	Benchmark	51.5%	32.1%	67.6%	
	Senior Swing	47.2%	32.7%	63.5%	
Falcon	SC60	46.8%	31.8%	62.7%	Taiwan
	SC70	47.3%	31.7%	63.1%	
	SC80	47.1%	31.9%	63.0%	
	SC93 & 94	47.1%	31.9%	63.0%	
	SC91	47.0%	30.8%	62.4%	
	OHC 100	55.1%	31.7%	70.9%	
Overhead Stops					
Glynn-Johnson	Surface Overhead Holders & Stops - Brass	28.4%	10.9%	33.9%	Indianapolis, IN
	Surface Overhead Holders & Stops - Stainless	56.9%	31.4%	72.7%	
	Concealed Overhead Holders & Stops - Brass	35.6%	16.1%	43.6%	
	Concealed Overhead Holders & Stops - Stainless	56.9%	31.4%	72.7%	
Exits					
Von Duprin	6111	55.4%	30.3%	70.5%	Indianapolis, IN
	6211	54.6%	29.7%	69.4%	
	6211 WF	54.9%	30.0%	69.9%	
	22	55.7%	31.6%	71.5%	
	33A/35A	39.9%	33.6%	56.7%	
	98/99	39.9%	33.6%	56.7%	
	88	8.7%	32.3%	24.9%	
	94/95	44.9%	32.9%	61.3%	
	55	12.9%	28.8%	27.3%	

* Orders processed to meet BAA/ARRA requirements are assembled in the U.S.

Breakdown of recycle rates

Brand	Product	Post-consumer recycled content %	Pre-consumer recycled content %	Total LEED %	Manufacturing location
Exits (continued)					
Falcon Exits	19 Series	55.9%	31.1%	71.4%	Indianapolis, IN
	XX Series	49.8%	31.7%	65.7%	
	24	38.8%	31.6%	54.6%	
	25	39.3%	31.8%	55.2%	
	1490	43.3%	33.2%	59.9%	
	1590	43.3%	33.2%	59.9%	
	1690	41.8%	33.4%	58.5%	
	1790	42.2%	33.3%	58.9%	
	1990	43.5%	33.2%	60.0%	
	2090	43.5%	33.2%	60.0%	
	2390	50.1%	32.3%	66.3%	
Hinges and accessories					
Ives	Steel pulls, plates & guards	56.9%	31.4%	72.7%	China
	Brass pulls, plates & guards	28.4%	10.9%	33.9%	Indianapolis, IN
	Architectural Hinges	0.0%	0.0%	0.0%	China
	Continuous Hinges	37.0%	55.5	64.7%	Indianapolis, IN
	Wall and Floor Stops	27.0%	10.4%	32.2%	China
Steel doors and frames					
Steelcraft**	Cold Rolled Frames				
	F & FN-Series				
	MU-Series	56.9%	31.4%	72.6%	
	FE & DE-Series				
	DW & K-Series				
	Cold Rolled Doors				
	L-Series				
	SL-Series				
	B-Series	55.2%	30.5%	70.5%	
	SZ-Series				
	A14-Series				
	H-Series				
	Cold Rolled Doors				
	T-Series	34.1%	18.8%	43.5%	
	Galvannealed Frames				
	F & FN-Series				
	MU-Series	25.5%	6.8%	28.9%	
	FE & DE-Series				
	Paladin™				
	DW & K-Series				
	Galvannealed Doors				
	L-Series				
	SL-Series				
B-Series					
SZ-Series	24.7%	6.6%	28.0%		
CE-Series					
A14-Series					
H-Series					
Paladin™					
GRAINTECH™					
Galvannealed Doors					
T-Series	15.3%	4.0%	17.3%		

** Please be advised that Allegion cannot provide extraction data for Steelcraft steel doors and frames.