

Architectural Fusions & LEED Credits

Architectural Fusions can be used to resurface interior building components (walls, ceilings, columns, doors, elevators, casework and built-in millwork) as well as salvaged or used furniture, which helps contribute to the LEED Building Reuse and Materials Reuse categories.

Please refer to the most recent USGBC LEED Reference Guides for documentation and use guidelines for your project.

Materials and Resources — LEED 2009

LEED Rating System	Credit Name	Summary of Requirements & Points Available
LEED-NC 2009	MR Credit 1.1: Building Reuse— Maintain Existing Walls, Floors and Roof	Maintain the existing building structure (including structural floor and roof decking) and envelope (the exterior skin and framing, excluding window assemblies and non-structural roofing material). The minimum percentage building reuse for each point threshold is as follows: 55% = 1; 75% = 2; 95%= 3
	MR Credit 1.2: Building Reuse— Maintain Interior Nonstructural Elements	Use existing interior nonstructural elements (e.g., interior walls, doors, floor coverings and ceiling systems) in at least 50% (by area) of the completed building, including additions. Points available: 1
	MR Credit 3: Materials Reuse	Use salvaged, refurbished or reused materials, the sum of which constitutes at least 5% or 10%, based on cost, of the total value of materials on the project. Points available: 5% = 1; 10% = 2



Materials and Resources - LEED 2009

LEED Rating System	Credit Name	Summary of Requirements & Points Available
LEED-CS 2009	MR Credit 1: Building Reuse—Maintain Existing Walls, Floors and Roof	<p>Maintain existing building structure (including structural floor and roof decking) and envelope (the exterior skin and framing, excluding window assemblies and non-structural roofing material).</p> <p>The minimum percentage building reuse for each point threshold is as follows: 25% = 1; 33% = 2; 42% = 3; 50% = 4; 75% = 5</p>
	MR Credit 3: Materials Reuse	<p>Use salvaged, refurbished or reused materials, the sum of which constitutes at least 5%, based on cost, of the total value of materials on the project.</p> <p>Mechanical, electrical and plumbing components and specialty items such as elevators and equipment cannot be included in this calculation. Include only materials permanently installed in the project. Furniture may be included if it is included consistently in MR Credit 3: Materials Reuse through MR Credit 6: Certified Wood.</p> <p>Points available: 1</p>
LEED-CI 2009	MR Credit 1.2: Building Reuse—Maintain Interior Nonstructural Components	<p>Maintain at least 40% or 60% by area of the existing non-shell, nonstructural components (e.g., walls, flooring and ceiling systems).</p> <p>The minimum percentage interior components reuse for each point threshold is as follows: 40% = 1; 60% = 2</p>
	MR Credit 3.1: Materials Reuse	<p>Use salvaged, refurbished or reused materials, the sum of which constitutes at least 5% or 10%, based on cost, of building (construction) materials, excluding furniture and furnishings.</p> <p>The minimum percentage materials reused for each point threshold is as follows: 10% = 1; 20% = 2</p>
	MR Credit 3.2: Materials Reuse—Furniture and Furnishings	<p>Use salvaged, refurbished or used furniture and furnishings for 30% of the total furniture and furnishings budget.</p> <p>Points available: 1</p>
LEED-EBOM 2009	MR Credit 3: Sustainable Purchasing—Facility Alterations and Additions	<p>Purchases contain at least 70% material salvaged from on-site, through an internal organization materials and equipment reuse program.</p> <p>Points available: 1</p>



LEED v4 Building Design and Construction

Credit Name	Building Types & Points	Requirements	Options												
MR Credit: Building Life-Cycle Impact Reduction	New Construction (2-5 points) Core & Shell (2-6 points) Schools (2-5 points) Retail (2-5 points) Data Centers (2-5 points) Warehouse & Distribution Centers (2-5 points) Hospitality (2-5 points) Healthcare (2-5 points)	Demonstrate reduced environmental effects during initial project decision-making by reusing existing building resources or demonstrating a reduction in materials use through life-cycle assessment. Achieve one of the following options.	Option 2. Renovation of Abandoned or Blighted Building (5 points BD&C, 6 points Core & Shell) Maintain at least 50%, by surface area, of the existing building structure, enclosure, and interior structural elements for buildings that meet local criteria of abandoned or are considered blight. The building surface area may be excluded from credit calculation because of deterioration or damage.												
			Option 3. Building and Material Reuse (2-4 points BD&C, 2-5 points Core and Shell) Reuse or salvage building materials from off site as a percentage of the surface area, as listed in Table 1. Include structural elements (e.g., floors, roof decking), enclosure materials (e.g., skin, framing), and permanently installed interior elements (e.g., walls, doors, floor coverings, ceiling systems). Exclude from the calculation window assemblies and any hazardous materials that are remediated as a part of the project. Materials contributing toward this credit may not contribute toward MR Credit Material Disclosure and Optimization.												
Table 1. Points for reuse of building materials <table border="1"> <thead> <tr> <th>Percentage of completed project surface area reused</th> <th>Points BD&C</th> <th>Points BD&C (Core & Shell)</th> </tr> </thead> <tbody> <tr> <td>25%</td> <td>2</td> <td>2</td> </tr> <tr> <td>50%</td> <td>3</td> <td>3</td> </tr> <tr> <td>75%</td> <td>4</td> <td>5</td> </tr> </tbody> </table>				Percentage of completed project surface area reused	Points BD&C	Points BD&C (Core & Shell)	25%	2	2	50%	3	3	75%	4	5
Percentage of completed project surface area reused	Points BD&C	Points BD&C (Core & Shell)													
25%	2	2													
50%	3	3													
75%	4	5													



LEED v4 Interior Design and Construction

Credit Name	Building Types & Points	Requirements
MR Credit: Interiors Life-Cycle Impact Reduction	Commercial Interiors (1-4 points) Retail (1-5 points) Hospitality (1-4 points)	<p>Option 1. Interior Reuse (2 points) Reuse or salvage interior nonstructural elements for at least 50% of the surface area. Hazardous materials that are remediated as a part of the project must be excluded from the calculation</p>
		<p>Option 2. Furniture Reuse Reuse, salvage, or refurbish furniture and furnishings for at least 30% of the total furniture and furnishings cost.</p>

