

USGBC LEED[®] CI 2009

What is LEED[®]?

Leadership in Energy and Environmental Design [LEED] is a consensus-based program developed by the U.S. Green Building Council to define and document a standard that improves environmental and economic performance of commercial buildings using established and/or advanced industry principles, practices, materials and standards. It is a voluntary performance-oriented system where points are earned for satisfying the criteria.

To earn certification, a building project must meet certain prerequisites and performance benchmarks ["credits"] within each category. Although USGBC does not certify, promote, or endorse products of individual companies, products do play a role and can help projects with point achievement.

The choice of Mirage Floors can help contribute to fulfilling the requirements of each credit.

Mirage, a commitment to Sustainable Building

From the very beginning, Mirage's corporate values and strategies have been geared toward sustainable development, even though the term itself was still largely unknown. Mirage is worried about the planet and its riches, want to contribute to community's economic development, and is more concerned than ever with securing the best possible quality of life for fellow citizens today and tomorrow.

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LEED for Commercial Interiors is the green benchmark for the tenant improvement market. It is the recognized system for certifying high-performance green interiors that are healthy, productive places to work; are less costly to operate and maintain; and have a reduced environmental footprint. LEED for Commercial Interiors gives the power to make sustainable choices to tenants and designers, who do not always have control over whole building operations.

USGBC LEED [®] CI 2009 Rating System				
Categories		Prerequisites	Credits	Points
SS	Sustainable Sites	0	3	21
WE	Water Efficiency	1	1	11
EA	Energy & Atmosphere	3	4	37
MR	Materials & Resources	1	7	14
IEQ	Indoor Environmental Quality	2	8	17
ID	Innovation and Design Process	0	2	6
RP	Regional Priority	0	1	4
Total		7	26	110

Mirage Classic Floors Contribution to USGBC LEED [®] CI 2009		
Categories		Potential Contribution
SS	Sustainable Sites	0 point
WE	Water Efficiency	0 point
EA	Energy & Atmosphere	0 point
MR	Materials & Resources	3 points
IEQ	Indoor Environmental Quality	1 point
ID	Innovation and Design Process	3 points
RP	Regional Priority	4 points
Total		Up to 11 points

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Mirage Classic Floors Contribution to USGBC LEED[®] CI 2009

Credits	Sustainable Strategies	Potential Points	Credit Relevance	Credits Requirements	Mirage Classic Floors Contribution
MR 5	Regional Materials	1-2	Direct	<p>Option 1 (1 point): Use a minimum of 20% of the combined value of construction Division 12 (Furniture) materials and products that are manufactured regionally within a radius of 500 miles.</p> <p>Option 2 (2 points): Meet the requirements for option 1. Use a minimum of 10% of the combined value of construction Division 12 (furniture) materials and products extracted, harvested or recovered, as well as manufactured, within 500 miles of the project.</p>	<p>Depending on Mirage's providers and the project's location, Mirage Classic Floors could contribute if the wood used satisfies the regional requirements of the credit (particularly for Canada Eastern Provinces and New England projects).</p> <p>Compliance percentage must be approved for a specific project. This percentage will be calculated on the overall weight of the product's components, according to the source of supply of Mirage's chosen suppliers.</p> <p>The harvesting site of the materials needs to be confirmed for each project, according to Mirage providers.</p> <p>Mirage's plants are located in Saint-Georges, Quebec, Canada.</p>

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Credits	Sustainable Strategies	Potential Points	Credit Relevance	Credits Requirements	Mirage Classic Floors Contribution
MR 7	Certified Wood	1	Direct	<p>When using new wood-based products and materials, use a minimum of 50% that are certified in accordance with Forest Stewardship Council's (FSC) principles and criteria. Division 12 (Furniture) material value is included on the determination of the certified wood content.</p>	<p>Mirage Classic Floors made of FSC-certified Maple, Yellow Birch and Red Oak wood species are complying with the requirements and contribute to this credit.</p> <p>FSC Certificate No: SW-COC-002199</p> <p>Percentage of certified wood in the Mirage Floors is 100% for Maple, Yellow Birch and Red Oak species.</p> <p>This result is calculated on the overall weight of the product's wood components vs total weight of FSC-certified wood.</p> <p>In a LEED[®] project, Mirage can give the exact percentage of FSC wood in its product.</p>
IEQ 3.2	Construction IAQ Management Plan: Before Occupancy	1	Indirect	<p>Develop an IAQ management plan and implement it after all finishes have been installed and the building has been completely cleaned before occupancy.</p> <ul style="list-style-type: none"> - Option A: Flush-Out - Option B: Air Test 	<p>Mirage encourages, through its choice of components for its products, the reduction of uncontrolled emissions outside of the project.</p> <p>According to BOA-FRANC's emission tests, Mirage Classic Floors should contribute to the compliance with the requirements of this credit if Option B (Air Test) is used.</p> <p>Moreover, Mirage Classic does not include any adhesive during manufacturing.</p>

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Credits	Sustainable Strategies	Potential Points	Credit Relevance	Credits Requirements	Mirage Classic Floors Contribution
IEQ 4.2	Low-Emitting Materials: Paints and Coatings	Not applicable	Direct	<p>Paints and coatings used on the interior of the building (i.e., inboard side of the weatherproofing system an applied on-site) must comply with the following criteria as applicable to the project scope:</p> <p>Clear wood finishes, floor coatings, stains, primers, sealers and shellacs applied to interior elements: must not exceed the VOC content limits established for those coatings types in South Coast Air Quality Management District (SCAQMD) Rule 1113, Architectural Coatings, effective January 1, 2004.</p>	<p>All sealers and clear wood finishes used for Mirage Classic Floors are complying with the VOC content limits of South Coast Air Quality Management District (SCAQMD) Rule No. 1113 (275 g/L, July 2007). The VOC's are between 0.2 and 6.1 g/L.</p> <p>Moreover, Mirage is considering the same VOC limits for sealers and finishes even if they are applied at the plant, reducing the emissions inside of projects buildings, another good practice of Mirage.</p>
IEQ 4.3	Low-Emitting Materials: Flooring Systems	0	Direct	<p>All flooring must comply to one or the other following options:</p> <p>Option 1: All hard surfaces flooring must meet the requirements of the Floorscore standard (current as of the date of this rating system, or more stringent version) as shown with testing by an independent third party.</p> <p>Concrete, wood, bamboo, and cork finishes such as sealer, stain and finish must meet the requirements of South Coast Air Quality Management District (SCAQMD) Rule 1113, Architectural Coatings, effective January 1, 2004.</p> <p>Option 2: All flooring products must meet the testing of the California Department of Public Health Standard Practice for the testing of Volatile Organic Emissions from Various Sources Using Small-Scale Environmental Chambers, including 2004 Addenda.</p>	<p>Mirage Classic Floors don't respect all the requirements of this credit, as they are not FloorScore certified and have not been tested for tryouts.</p>

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Credits	Sustainable Strategies	Potential Points	Credit Relevance	Credits Requirements	Mirage Classic Floors Contribution
ID 1	Innovation in Design Path 2	1-3	Direct	<p>An exemplary performance point can be awarded to projects</p> <ul style="list-style-type: none"> - attaining 40% of Regional Materials for MR 5 credit. - attaining 95% of FSC-certified wood for the MR 7 credit. 	<p>Mirage Classic Floors can contribute to achieve a 40% of regional material exemplary performance, depending on Mirage providers and the project's location.</p> <p>Mirage Classic Floors made of FSC-certified Maple, Yellow Birch and Red Oak wood species can also contribute to achieve a 95% Certified Wood exemplary performance.</p> <p>To be identified according to project's strategies and propositions. Mirage Engineered Floors could participate in different innovation points.</p>
RP 1	Regional Priority	1-4	Direct	<p>Earn 1 to 4 of the 6 Regional Priority credits identified by the USGBC Regional councils and chapters for their importance.</p>	<p>Please refer to the Advantages and Aspects to Consider section of the Regional Priority credit.</p> <p>For a list of applicable credits, please refer on the USGBC website www.usgbc.org.</p>
TOTAL		11	<p>Mirage Classic Floors can contribute to a total of eleven (11) possible points for a LEED[®] CI 2009 project.</p>		