

This credit summary is an Impact Analysis of SOLYX Glass Film Finishes as it pertains to the LEED® Rating System.

Green Building Design and Construction, 2009 (Updated June 2010)

**SS Credit 8,
Light Pollution
Reductions**

Intent: To minimize light trespass from the building and site, reduce sky-glow to increase night sky access, improve nighttime visibility through glare reduction and reduce development impact from lighting on nocturnal environments.

Requirement: Project teams must comply with 1 of the 2 options for interior lighting AND the requirements for exterior lighting. Option 1 does not apply. Option 2: All openings in the envelope (transparent or translucent) with a direct line of sight to any non-emergency luminaries must have shielding (controlled/closed by automatic device for a resultant transmittance of less than 10% between 11 pm and 5 am).

Depending on the pattern chosen and when used in conjunction with devices designed to limit the transmittance of light from interior spaces, SOLYX Glass Film Finishes can assist with glare reduction and overall light trespass from buildings.

Points Available:

NC: 1
Schools: 1
CS: 1

**EA Credit 1,
Optimize Energy
Performance**

Intent: To achieve increasing levels of energy performance beyond the prerequisite standard to reduce environmental and economic impacts associated with excessive energy use.

Requirement: Select 1 of the 3 compliance path options described below. Project teams documenting achievement using any of the 3 options are assumed to be in compliance with EA Prerequisite 2: Minimum Energy Performance. See Green Building Design and Construction, 2009 Edition (Updated June 2010), pages 257-259 for description of options.

Depending on the pattern chosen, SOLYX Glass Film Finishes can assist with limiting the infusion of direct sunlight and UV radiation into internal rooms thereby reducing the energy load necessary to keep buildings comfortable during cooling months.

Points Available:

NC: 1-19
Schools: 1-19
CS: 3-21

<p>MR Credit 1.2 Building Reuse - Maintain Interior Non- Structural Elements</p>	<p>Intent: To extend the life cycle of existing building stock, conserve resources, retain cultural resources, reduce waste and reduce environmental impact of new buildings as they relate to materials manufacturing and transport.</p> <p>Requirement: Use existing interior non-structural elements (e.g., interior walls, doors, floor coverings and ceiling systems) in at least 50% (by area) of the completed building, including additions. If the project includes an addition with square footage more than 2 times the square footage of the existing building, this credit is not applicable.</p> <p>SOLYX Glass Film Finishes are designed to be applied to existing windows. When a fresh new look is needed, save the cost of scrapping and replacing windows by removing the existing film and applying a new innovative design.</p> <p>Points Available: NC: 1 Schools: 1 CS: N/A</p>
<p>MR Credit 3 Material Reuse</p>	<p>Intent: To reuse building materials and products to reduce demand for virgin materials and reduce waste, thereby lessening impacts associated with the extraction and processing of virgin resources.</p> <p>Requirement: 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. The minimum percentage materials reused for each point threshold is as follows: 5% - 1 point 10% - 2 points</p> <p>SOLYX Glass Film Finishes are designed to be applied to new or existing windows. When a fresh new look is needed, save the cost of scrapping and replacing windows by removing the existing film and applying a new innovative design.</p> <p>Points Available: NC: 1 Schools: 1 CS: N/A</p>

**MR Credit 1.2,
Building Reuse -
Maintain Interior
Non-Structural
Elements**

Intent: To extend the life cycle of existing building stock, conserve resources, retain cultural resources, reduce waste and reduce environmental impact of new buildings as they relate to materials manufacturing and transport.

Requirement: Maintain at least 40% or 60% by area of the existing non-shell, nonstructural components (e.g., walls, flooring, and ceiling systems).

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Points Available:

CI
40% = 1
60% = 2

 **MR Credit 3.1
Material Reuse**

Intent: To reuse building materials and products to reduce demand for virgin materials and reduce waste, thereby lessening impacts associated with the extraction and processing of virgin resources.

Requirement: 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. The minimum percentage materials reused for each point threshold is as follows

5% - 1 point
10% - 2 points

SOLYX Glass Film Finishes are designed to be applied to new or existing windows. When a fresh new look is needed, save the cost of scrapping and replacing windows by removing the existing film and applying a new innovative design.

Points Available:

CI
1-2