

## Using 3M Window Films Toward LEED v4.1 Credits

Leadership in Energy and Environmental Design (LEED), is a third party building certification program developed by the U.S. Green Building Council (USGBC). The program is designed to “transform the way buildings and communities are designed, built and operated, enabling an environmentally and socially responsible, healthy, and prosperous environment that improves the quality of life.”

With this goal in mind, LEED certifies projects, not products. The purpose of certifying projects instead of products is to emphasize the buildings’ end results instead of a prescriptive requirement. Although some credits have prescriptive requirements, the credits have all been written such that if the intent of the credit is achieved, a project will receive points. Thus, the LEED handbook is written such that there is a credit title, the intent of the credit, and then recommended—though not prescriptive—methods to obtain the credit.

Below is a list of areas where 3M™ Window Films may apply to certain credits’ intents. This does not in any way imply that the window films will satisfy the requirement for the LEED credit, but the product will work toward the intent of the credit. Credits can only be given by the USGBC.

**NOTE:** Each application is different. End users are solely responsible for evaluating and determining whether LEED credits can be acquired.

### SS CREDIT: LIGHT POLLUTION REDUCTION BD&C 1 point

- **Intent:** To increase night sky access, improve nighttime visibility, and reduce the consequences of development for wildlife and people.
- Window films can reduce the amount of light emitted from a building, reducing light pollution.

### EA CREDIT: OPTIMIZE ENERGY PERFORMANCE BD&C 1–20 points, ID&C 1–24 points

- **Intent:** To increase energy performance beyond the prerequisite standard to reduce environmental and economic harms associated with excessive energy use.
- Window films can improve the solar heat gain coefficient and/or U-value of windows to improve buildings’ energy efficiency.

### MR CREDIT: BUILDING LIFE-CYCLE IMPACT REDUCTION BD&C 2–6 points, ID&C 1-5 points

- **Intent:** To encourage adaptive reuse and optimize the environmental performance of products and materials.
- **Option 1.** Interior Reuse (2 points)—Reuse or salvage interior nonstructural elements for at least 50 percent of the surface area.
- Window films are intended to be used as a retrofit to existing windows and glass. Applying the film allows users to improve the performance of existing glass rather than replacing it.

### MR CREDIT: BUILDING PRODUCT DISCLOSURE AND OPTIMIZATION—ENVIRONMENTAL PRODUCT DECLARATIONS BD&C 1–2 points, ID&C 1-2 points

- **Intent:** To encourage the use of products and materials for which life-cycle information is available and that have environmentally, economically, and socially preferable life-cycle impacts. To reward project teams for selecting products from manufacturers who have verified improved environmental life-cycle impacts.
- Environmental Product Declarations which conform to ISO 14025 and EN 15804 or ISO 21930 and have at least a cradle to gate scope.
- 3M Prestige 70, Prestige 40 Exterior, and Prestige 70 Exterior have environmental product declarations registered. They are publicly available at [environdec.com](http://environdec.com).

### EQ CREDIT: LOW-EMITTING MATERIALS BD&C 1–3 points, ID&C 1–3 points

- **Intent:** To reduce concentrations of chemical contaminants that can damage air quality, human health, productivity, and the environment.
- The Products have been tested according to California Department of Public Health Standard Method v1.2–2017

### EQ CREDIT: THERMAL COMFORT BD&C 1 point, ID&C 1 point

- **Intent:** To promote occupants’ productivity, comfort, and well-being by providing quality thermal comfort.
- Window film can help balance the thermal comfort of a building by reducing solar energy entering through windows, or heat exiting through the glass in cold months for low-e films.



## EQ CREDIT: DAYLIGHT BD&C 1–3 points, ID&C 1–3 points

- **Intent:** To connect building occupants with the outdoors, reinforce circadian rhythms, and reduce the use of electrical lighting by introducing daylight into the space.
- The Products can be used to enable daylight in enclosed spaces and reduce the use of shades or blinds that obstruct access to daylight.

## Warranty Information

### Technical Information

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