McGRORY GLASS

McGrory Glass *and* LEED

(Leadership in Energy & Environmental Design)

The Leadership in Energy and Environment Design (LEED™) Green Building Rating System is a nationally recognized standard designed to promote the use of environmentally friendly products and design techniques resulting in a "green building." The United States Green Building Council (USGBC) has established the LEED system "to improve occupant well-being, environmental performance and economic returns of buildings using established and innovative practices, standards and technologies."

McGrory has created this document to assist architects, designers, spec writers, building owners and others interested in earning LEED certification for their buildings through the use of glass. This document references the various ways McGrory' products can be incorporated into the design to help a building attain the required credits to be considered LEED certified. The information offered here should be used for general reference only and not as a substitute for the actual LEED documentation.

Complete LEED documentation can be found on USGBC's website: www.usgbc.org

1400 Grandview Avenue Paulsboro, NJ 08066
800-220-3749 (ph) 856-579-3232 (fx) sales@mcgrory-glass.com (e-mail)
www.mcgrory-glass.com

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LEED CATEGORY: Energy & Atmosphere

Credit 1: Optimize Energy Performance (1-19 pts)
Intent: To achieve increasing levels of energy performance beyond the prerequisite standard to reduce environmental and economic impacts associated with excessive energy use.
McGrory Glass Contribution: McGrory Glass' products do not have measurable contributions to the Energy & Atmosphere credit by themselves. When paired with Low Emissivity products, they provide the energy savings that are required by the high standards defined by LEED, while still allowing the Architect and/or Designer to hold on to their design intent.

LEED CATEGORY: Materials & Resources

Credit 4: Recycled Content (1-2 pts)
Intent: Increase demand for building products that incorporate recycled content materials, therefore reducing impacts resulting from extraction and processing of new virgin materials.
McGrory Glass Product's Contribution: McGrory Glass' products do not have measurable contributions to the Materials & resources Credit as recycled cullet is currently excluded for credit.

Credit 5: Regional Materials (1-2 pts)
Intent: Increase demand for building materials and products that are extracted and manufactured within the region, thereby supporting the regional economy and reducing environmental impacts resulting from transportation.
McGrory Glass Products Contribution: McGrory Glass procures all of its domestic glass products within the 500-mile limit prescribed for regional materials. Please contact McGrory Glass for an updated list of manufacturers and products.

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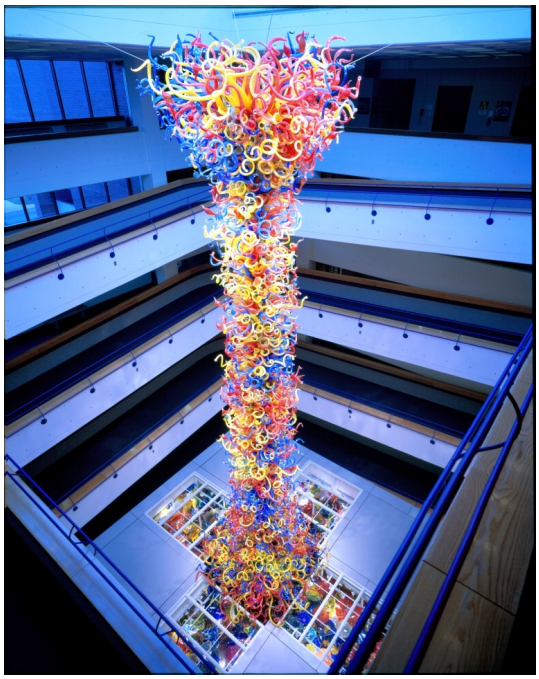
LEED Category: Indoor Environmental Quality

Credit 7.1: Thermal Comfort – Design (1 pt)
Intent: Provide a comfortable thermal environment that promotes occupant productivity and well being.
McGrory Glass Products Contribution This credit refers to adjustable lighting for individual tasks or in common areas. Integration of surface materials selection (i.e. high reflectance surfaces) and lighting design may create opportunities to reduce the number of installed lighting fixtures. Daylighting can be integrated within the ambient lighting scheme to compensate for the reduced footcandle levels. When daylighting is used as a component of the lighting design, glare control is also necessary.

Credit 8.1: Daylight & Views: Daylight 75% of Spaces (1 pt)
Credit 8.2: Daylight & Views: Views for 90% of Spaces (1 pt)
Intent: Provide for the building occupants a connection between indoor spaces and the outdoors through the introduction of daylight and views into the regularly occupied areas of the building.
McGrory Glass Products Contribution: McGrory Glass is able offers an unlimited choice of architectural and decorative glass products that help the designer to achieve their intended design. The maximum use of natural light in a building can be achieved without sacrificing the privacy and security elements required. This is achieved though the introduction of floor-to-ceiling decorative glass products with varying opacities and patterns within the same glass panels. McGrory also offers the largest radiation shielding glass in the world to allow for greater expanses of glass, which in effect reduces lighting and energy costs.

LEED Category: Indoor Environmental Quality

Credit: ID 1: Innovation in Design (1 pt)
Intent: Reduce the quantity of indoor air contaminants that are odorous, irritating and/or harmful to
the comfort and well-being of installers and occupants.
McGrory Glass Product Contribution: The intent of this credit is to limit VOC's in the building through the selection of materials, furniture, maintenance coatings and other items that are not covered by IEQ Credit 4.1–4.4. McGrory's offers many Decorative glass products that have factory applied coatings with no VOC's. The use of decorative glass in place of walls, doors, floors, ceilings and furniture provides a wide range of design options with no VOC's being introduced into the site. Unlike drywall or millwork, decorative glass products need no repainting, refinishing or similar maintenance which eliminates VOC's and irritating fumes from periodic maintenance. Glass coatings contain no hazardous content and do not generate hazardous waste during construction unlike solvent-based paints and adhesives. They also require no hazardous materials to clean up after installation or during maintenance.



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