

LEED Contribution

The U.S. Green Building Council’s Leadership in Energy & Environmental Design (LEED) Green Building Rating System is the nationally accepted benchmark for the design, construction and operation of high performance green buildings. Through this system, LEED improves occupant well-being, environmental performance and economic return on buildings through use of established and innovative practices, standards, and technologies.

Syntégra uses steel as supported by the American Iron and Steel Institute, the American Institute of Steel Construction, and the Institute of Scrap Recycling Industries. These suppliers subscribe to the tenants of the steel recycling resources including the online resource www.recycle-steel.org.

Syntégra can aid to achieve requirements in the listed categories and credit areas of LEED. Credits applicable to the integrated steel doors and associated products as manufactured by Syntégra are as follows:

Materials & Resources (MR)

MR Credit 4 Recycled Content NC / CS / S / CI

Intended to increased demand for building products that incorporate recycled content materials, thereby reducing impacts resulting from extraction and processing of virgin materials. Use materials with recycled content such that the sum of post-consumer recycled content plus 1/2 of the pre-consumer content constitutes at least 10% or 20%, based on cost, of the total value of the materials in the project.

NC: New Construction **CS:** Core and Shell **CI:** Commercial Interiors **EBOM:** Existing Building Operations & Maintenance **S:** Schools

Syntégra Integrated Doors by Design	Post-Consumer Recycled Content *	Pre-Consumer Recycled Content *	Total LEED Recycled Content Percentage
Metal Integrated Door Assy.	33.9%	3.4%	37.3%
Steel Frames	33.9%	3.4%	37.3%
Exit Devices	65.96%	0%	65.96%
Stainless Steel Hinges	85%	0%	85%
Aluminum Continuous Hinges	100%	0%	100%
Door Closers	46.3%	7.4%	48.7
Hold Open Magnets	56%	0%	56%

* Recycled content defined in accordance with industry standards.

** Pre-consumer recycled content refers to waste material that is immediately placed back into the production cycle. Waste materials generated by the production of these products are collected and shipped off site where it then re-enters the recycle system.

Materials and Resources Credit 5 Regional Materials

MR Credit 5 Regional Material NC / CS / S / CI

Intended to increase demand for building materials and products that are extracted and manufactured within the region, thereby supporting the use of indigenous resources and reducing the environmental impacts resulting from transportation. Use building materials or products that have been extracted, harvested or recovered, as well as manufactured, within 500 miles of the project site for a minimum of 10% or 20%, based on cost, of the total materials value.

Syntégra Products

Manufactured / Assembled Location

Integrated Door Assembly

Rancho Cucamonga, CA

Steel Frames

Albuquerque, NM & Wilmington, NC

Indoor Environmental Quality (IEQ)

IEQ Credit 4.1 & 4.2: Low Emitting Materials: Adhesives & Sealants, Paints & Coatings NC / CS / S / CI

Intended to reduce the quantity of indoor air contaminants that are harmful to installers and occupants.

- *Credit 4.1: Use materials with recycled content such that the sum of post-consumer recycled content plus one half of pre-consumer content constitutes at least 10% (based on cost) of the total value of the materials used in the project*
- *Credit 4.2: Use materials with recycled content such that the sum of post-consumer recycled content plus one-half of the pre-consumer content constitutes at least 20% (based on cost) of the total value of the materials in the project*

LEED for Schools Specific Credits

IEQ Credit 10: Mold Prevention S

Intended to reduce the potential presence of mold in schools through preventive design and construction measures. .

- *Syntégra offers their hardware components with an Anti-Microbial Coating. This natural tinted coating can be applied to our hardware and acts as an additional preventive measure to assist school projects in achieving this credit*

LEED EBOM Specific Credits

MR Credit 3: Sustainable Purchasing – Facility Alterations & Additions EBOM

Intended to reduce the environmental and air quality impacts of the materials acquired for use in the upgrade of buildings. Maintain a sustainable purchasing program covering materials for facility renovations, demolitions, retrofits, and new construction additions.

- Syntégra can assist in meeting this requirement

MR Credit 9: Solid Waste Management – Facility Alterations & Additions EBOM

Intended to divert construction and demolition debris from disposal to landfills and incineration facilities. Redirect recyclable recovered resources back to the manufacturing process and reusable materials to appropriate sites.

- *Since most of the Syntégra products have are comprised of metal, there is a potential to recycle these items infinitely. We make long-lasting sustainable products that can assist projects in attaining this credit*