

LEED® And Blue Giant

USGBC LEED 2009 for New Construction and Blue Giant

Below is a brief overview of how Blue Giant Products can assist in contributing to LEED accreditation in regard to the USGBC LEED 2009 for New Construction

ENERGY AND ATMOSPHERE

EA Prerequisite 2 – Minimum Energy Performance

INTENT: To establish the minimum level of energy efficiency for the proposed building and systems to reduce environmental and economic impacts associated with excessive energy use.

EA Credit 1: Optimize Energy Performance

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

Demand reduction is the first step to optimizing building performance. Blue Giant products assist in demand reduction by optimizing building envelope properties and reducing internal heating and cooling loads as a result of lessening air exchanges to and from the exterior environment.

When Blue Giant's products such as Vertical Docks, Compression dock seals and Truck shelters are integrated into a buildings integrated design, consumption is significantly reduced. As design teams create the overall building energy model, energy performance is greatly increased in areas of the building where Blue Giant products are incorporated.

Both when creating energy models and when in practical use, these technologies will provide significant savings in energy efficiency and loss to the exterior of the building envelope.

MATERIALS & RESOURCES

Credit 4: Recycled Content

INTENT: To increase demand for building products that incorporate recycled content materials, thereby reducing impacts resulting from extraction and processing of virgin materials.

Blue Giant Vertical Docks meet or exceed recycled content credit requirements.

Recycled Materials – As a general rule, the recycled content of our products steel content (Dock levelers, vehicle restraints, and dock lifts.)

<i>Total Recycled</i>	<i>Post Industrial</i>	<i>Post Consumer</i>
23%	85%	6%



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MATERIALS & RESOURCES

Credit 5: Regional Materials

INTENT: 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.

Blue Giant Products manufacturing base is located in Brampton, ON and the Greater Toronto area. This meets the credit requirements for Regional manufactured materials for projects within 500 miles of Toronto.

The majority of the steel (raw and recycled), is extracted within 500 miles of the GTA. Blue Giant will provide specific details on a project by project basis upon request.

INDOOR ENVIRONMENTAL QUALITY

IE Q Credit 7.1: Thermal Comfort—Design

INTENT: To provide a comfortable thermal environment that promotes occupant productivity and wellbeing.

As with the Energy and Atmosphere Credit 2, Blue Giant products are designed to create the most complete energy efficient seal. When Blue Giant's energy efficient products such as Vertical Docks, Compression dock seals and Truck shelters are integrated into a buildings integrated design, they will increase thermal comfort by greatly reducing, if not eliminating, drafts and loss of indoor environmental quality control from the loading bay area both when the doors are in use or closed.

