

MARKAR LEED® 2009 Certification Contribution

"The Leadership in Energy and Environmental Design (LEED) Green Building Rating System™ is the nationally accepted benchmark for the design, construction, and operation of high performance green buildings. LEED promotes a whole-building approach to sustainability by recognizing performance in seven key areas of human and environmental health: sustainable sites, water efficiency, energy and atmosphere, materials and resources, indoor environmental quality, innovation in design and regional priority credits.

MARKAR Quality Products

MARKAR is a designer and manufacturer of architectural grade adjustable continuous hinges and edge guards and has been a leader in innovative products for the hardware industry since 1969.

MARKAR can help to achieve prerequisites and accumulate points in the following categories and credit areas of LEED. For further information, please contact us at 800-824-3018 or refer to our website www.markar.com



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Materials & Resources (MR)

MR Credit 4

Recycled Content
CI CS EBOM NC
HC R S

Increase 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. The recycled content value of a material assembly is determined by weight. The recycled fraction of the assembly is then multiplied by the cost of assembly to determine the recycled content value. **Almost all MARKAR solutions contain recycled content, allowing most of our products to contribute toward this credit.**

MARKAR Product	Post-consumer Recycled Content *	Pre-consumer Recycled Content **	Total Recycled Content Percentage
SS Hinges	10.00%	80.00%	50.00%
Carbon Steel Hinges	10.00%	10.00%	15.00%
Aluminum Hinges	18.00%	49.00%	42.5%
SS Edge Guards	10.00%	80.00%	50.00%

*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 reenters the recycle stream.



ASSA ABLOY, the global leader
in door opening solutions

CI:
Commercial Interiors
CS:
Core and Shell

EBOM:
Existing Buildings
Operations &
Maintenance

HC:
Healthcare
NC:
New Construction

R:
Retail
S:
Schools

Materials & Resources (MR)

MR Credit 5

Regional Material

NC CS HC R S (CI allows one point if 20% material by cost is manufactured within 500 miles, second point if 10% is manufactured AND extracted, harvested or recovered)

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. **Components for Markar products come from greater than 500 miles from our plant. Markar products can only assist with Regional Material credit for LEED CI projects.**

MARKAR Product	Manufacturing Locations
All Products	4226 Transport Street, Ventura, CA 93003 5535 Distribution Drive, Memphis, TN 38141

Indoor Environmental Quality (IEQ)

IEQ Credit 4.1 & 4.2

Low-Emitting Materials -
Adhesives & Sealants,
Paints & Coatings
NC CS S CI

Reduce the quantity of indoor air contaminants that are odorous, irritating and/or harmful to the comfort and well-being of installers and occupants. **This credit only applies to these materials being applied within the weatherproofing system. MARKAR products will not detract from LEED projects earning this credit.**

LEED EBOM Specific Credits

MR Credit 3

Sustainable Purchasing -
Facility Alterations & Additions
EBOM

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, refits and new construction additions. **MARKAR products can help Sustainable purchasing programs meet many of the requirements to obtain this credit.**

MR Credit 9

Solid Waste Management -
Facility Alterations & Additions
EBOM

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. **Many of MARKAR products can be recycled (in the case of our metal products, potentially infinitely) and reused. We strive to make durable sustainable products that can assist projects in attaining this credit.**

Markar supports a Product End-of-Life Recycling program, providing recycling and/or disposal of Markar products that have reached the end of their life cycle and are beyond the product's warranty period. Call 800-824-3018 for more information.

CI: Commercial Interiors	EBOM: Existing Buildings Operations & Maintenance	HC: Healthcare	R: Retail
CS: Core and Shell		NC: New Construction	S: Schools