

RICHARDS-WILCOX CANADA
(LEED) Leadership in Energy & Environmental Design
POTENTIAL APPLICABLE POINTS

ALUMATITE DOOR SYSTEM

This fact sheet provided an overview of the method Richards-Wilcox uses to produce Alumatite sections and describes the recycled content, efficiencies and occupant's comfort by using Alumatite sections.

(EA-1) ENERGY & ATMOSPHERE (1- 10 points)

(EA -1) Energy Performance

Richards-Wilcox Alumatite section incorporates two continuous flexible seals that seals against the other section, the perimeter of the door can be weather-stripped with a variety of seals available to suit the site conditions; this combination offers weather resistant installation that result in comfort and energy savings. Exceptionally strong yet lighter sections qualify these doors for higher wind loads and or larger openings.

(MR) MATERIALS & RESOURCES

(MR- 2.1 & 2.2) Waste Management (1- 2 points)

Richards-Wilcox, Alumatite commercial door sections are shipped in bulk (on skids) on covered flat bed trucks. Large pieces of hardware are shipped on skids and the smaller components are shipped in cardboard boxes made from post consumer materials.

(MR- 4.1 & 4.2) Recycled Content* (1- 2 points)

The Aluminum used in the manufacturing of Alumatite sections has the following content:

primary	94.5 %
home scrap	5.06 %
Miscellaneous:	0.39 %

The steel used for the hardware has the following recycled contents:

post-consumer	50.6%
pre-consumer	33.3%
home scrap	5.8%

Door Composition by weight*:

Aluminum:	18.4 %
Steel:	34.5 %
Glass:	44.2 %
Miscellaneous:	2.8 %

*based upon 10 x 10 ft door, thermal glazing, standard lift.

(MR- 5.1 & 5.2) Regional Material (1- 2 points)

Steel:

Steel used to manufacture the hardware is directly procured from a steel mill that is located less than 60 km from the factory.

Aluminum:

Aluminum extrusions used to manufacture the Alumatite sections are directly procured from the extrusion company located less than 60 km from the factory.

(MR- 8) Durable Building (1 point)

Alumatite door innovative design with built in fin fabricated in modern facility allows us to manufacture best quality doors.

(EQ) INDOOR ENVIRONMENTAL QUALITY

(EQ- 4.1) Low-Emitting Materials: Adhesives & Sealants (1 point)

These sections do not emit any contaminants that are odorous, potentially irritating and/or harmful to the comfort and well being of installers and occupants.

(EQ- 4.2) Low-Emitting Materials: Paints & Coating (1 point)

White Painted Sections:

Volatile Organic Content* (VOC): 0 g/l

Clear Anodized Sections:

Volatile Organic Content* (VOC): 0 g/l

* Grams of VOC per liter of material, less water and less exempt compounds

(EQ- 7.1) Thermal Comfort (1 point)

Alumatite sections incorporates thermal glass units, combined with the sealing system it can provide comfortable environment that helps improve productivity and well being of building occupants. Doors with thermal windows can help reduce the energy requirements and offers better environmental control inside the building.

(ID-1) INNOVATION AND DESIGN PROCESS (1- 4 points)

Alumatite extrusions incorporates built in reinforcing fin that strengthen the rails thus permits its usage for wider and higher wind load applications. Sections feature dual replaceable seals between sections and available perimeter seals to provide weather resistant installation.

Innovative face hardware with built-in embossments is designed to resist higher load and to provide greater stability that results exceptional performance and qualifies the door system for larger size and higher wind load applications. Bolted type, field adjustable vertical track system ensures weather tight seal and serviceability.

Better, Green Buildings

The American Institute of Architects based in the United States has been actively encouraging its architect members to adopt energy efficient building design practices. In response to this the United States Green Building council has created LEED (Leadership in Energy & Environmental Design). This program was developed by the U S. Green Building Council for the U.S. Department of Energy and is a rating system to assess the architectural design and performance features of a commercial building for "green and sustainable" attributes. Richards-Wilcox Canada Aluminate doors can be credited under this program for the recycled contents, efficiencies, occupant's comfort and innovative design.

Richards-Wilcox Canada

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