ENTREPRISE

The Client First!

Since the creation of our company in 1967, we never stopped innovating, growing and adapting ourselves to the needs and expectations of our customers. They have always been at the heart of our operations.

We are proud of our evolution over the last forty years and we would like to express our gratitude and appreciation to our customers and partners who

Success, an Eloquent Testimony of Customer Satisfaction

Our key success factors come from our superior quality of products, a high-precision manufacturing process, exceptional before and after-sales service and a devoted team of experienced wood craftsmen.

Over the years, Milette Doors has distinguished itself from its competitors through the relationships built with both partners and clients.

The growth of Milette Doors is a direct result of hard work from each and every team member. Our employees are our most precious asset and their dedication, along with their commitment, is a reflection of our company values.

FRENCH DOORS

A French classic! Our French doors possess style and elegance to compliment your decor.

Models:

- Ovolo moulding
- Square moulding
- Aluminium grill
- One Lite tempered

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A positive impact with LEED® Canada-NC 2009

The growing interest for sustainable building design & operations, of which we are part, is embodied in the Leadership in Energy and Environmental Design (LEED®) Green Building Rating Systems in North America.

This document explores the potential contribution for the use of MILETTE DOOR’S products for a LEED® Canada-NC 2009 (New Construction and Major Renovations) project.

The CaGBC LEED® Canada-NC 2009 Rating Systems has 110 points divided in seven categories for certifying the design and construction of commercial or institutional buildings and high-rise residential buildings of all sizes, both public and private.

MILETTE DOOR’S products can assist in earning points towards the various LEED rating system certification levels. In some cases, MILETTE DOOR’S contribute directly to individual LEED points, but in other cases can only help meet the overall intent.

<table>
<thead>
<tr>
<th>LEED® Canada-NC 2009 Summary Table</th>
<th>FRENCH DOORS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Category</td>
<td>Prerequisite</td>
</tr>
<tr>
<td>SS Sustainable Sites</td>
<td>1</td>
</tr>
<tr>
<td>WE Water Efficiency</td>
<td>1</td>
</tr>
<tr>
<td>EA Energy and Atmosphere</td>
<td>3</td>
</tr>
<tr>
<td>MR Materials and Resources</td>
<td>1</td>
</tr>
<tr>
<td>IEQ Indoor Environmental Quality</td>
<td>2</td>
</tr>
<tr>
<td>ID Innovation in Design</td>
<td>0</td>
</tr>
<tr>
<td>RP Regional Priority</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>8</strong></td>
</tr>
</tbody>
</table>

Potential Contribution
LEED Canada-NC 2009

- 0 points
- 0 points
- 6 points
- 3 points
- 2 points
- 1 point

Total Up to 12 points

* It is important to consider that the total amount of possible points reflects the number of achievable points in each credit category. The product by itself cannot achieve this score, as defined above, but is considered as a beneficial element in order to achieve LEED® credits.
The FRENCH DOORS from MILETTE DOORS only contribute to this credit when they are retrieved and reused in another project or if used for other purposes in the same project.

When FRENCH DOORS are new and installed in the project, they cannot contribute to this credit.

The durability of this product’s components as well as MILETTE DOORS’ continuously maintained quality standards allow the recovery and reuse of the doors, if needed.

**Requirements**

**MR 3**

**Materials Reuse**

1 - 2 points

Indirect

Use salvaged, refurbished or reused materials, the sum of which constitutes at least 5% (1 point) or 10% (2 points) based on cost of the value of materials on the project.

**MR 4**

**Recycled Content**

1 - 2 points

Direct

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% (1 point) or 20% (2 points) 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.

**POTENTIAL CONTRIBUTION**

**LEED® CANADA-NC 2009**

**MATERIALS AND RESOURCES (MR)**

**CREDITS**

**DURABLE STRATEGIES**

**POTENTIAL POINTS**

**CREDIT RELEVANCE**

**CONTRIBUTION AND COMPLIANCE**

**FRENCH DOORS**

The FRENCH DOORS from MILETTE DOORS can contribute to this credit because some of their components have a pre-consumer recycled content. However, they do not contain any post-consumer recycled content.

The FRENCH DOORS’ recycled pre-consumer contents are shown in the table below:

<table>
<thead>
<tr>
<th>FRENCH DOORS MODELS</th>
<th>Recycled Content</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Pre-consumer</td>
</tr>
<tr>
<td>OVOLO Moulding</td>
<td></td>
</tr>
<tr>
<td>305 H</td>
<td>6.50%</td>
</tr>
<tr>
<td>3150</td>
<td>5.22%</td>
</tr>
<tr>
<td>3050</td>
<td>5.38%</td>
</tr>
<tr>
<td>SQUARE MOULDING</td>
<td></td>
</tr>
<tr>
<td>804 H</td>
<td>6.63%</td>
</tr>
<tr>
<td>805 H</td>
<td>6.48%</td>
</tr>
<tr>
<td>ALUMINIUM GRILL</td>
<td></td>
</tr>
<tr>
<td>1150</td>
<td>5.53%</td>
</tr>
<tr>
<td>ONE LITE TEMPERED</td>
<td></td>
</tr>
<tr>
<td>1000</td>
<td>6.09%</td>
</tr>
<tr>
<td>6000</td>
<td>5.41%</td>
</tr>
</tbody>
</table>

These percentages were calculated based on the components’ weight ratio over the whole door and may vary according to the selected suppliers.

MILETTE DOORS can provide specific data for each product with recycled content in a LEED® project.

**MILETTE DOORS** has all required documents regarding LEED® and can rapidly provide information for a specific project.

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### MATERIALS AND RESOURCES (MR)

**POTENTIAL CONTRIBUTION**

**LEED® CANADA-NC 2009**

<table>
<thead>
<tr>
<th>CREDITS</th>
<th>DURABLE STRATEGIES</th>
<th>POTENTIAL POINTS</th>
<th>CREDIT RELEVANCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>MR 5</td>
<td>Regionals Materials</td>
<td>1 - 2 points</td>
<td>Direct</td>
</tr>
</tbody>
</table>

#### Requirements

Use building materials or products that have been extracted, harvested, recovered and processed within 800 km (500 miles) (2,400 km if shipped by rail or water) of the final manufacturing site.

Demonstrate that the final manufacturing site is within 800 km (500 miles) (2,400 km if shipped by rail or water) of the project site for these products.

If only a fraction of a product or material is extracted, harvested, recovered, processed and manufactured locally, then only that percentage (by weight) must contribute to the regional value. The minimum percentage of regional materials for each point threshold is 20% (1 point) or 30% (2 points).

#### Contribution and Compliance*

**FRENCH DOORS**

The FRENCH DOORS from MILETTE DOORS contain some components that are extracted, collected, treated and recovered within a 800 km or 2,400 km radius (depending on the transportation mean used). The percentages of compliant materials are shown in the table below:

<table>
<thead>
<tr>
<th>% materials extracted, collected, treated and recovered within a 800 km or 2,400 km radius (depending on the transportation mean used)</th>
<th>% Regionals Materials</th>
</tr>
</thead>
<tbody>
<tr>
<td>305 H</td>
<td>56.68%</td>
</tr>
<tr>
<td>3150</td>
<td>58.86%</td>
</tr>
<tr>
<td>3050</td>
<td>51.37%</td>
</tr>
<tr>
<td>804 H</td>
<td>58.46%</td>
</tr>
<tr>
<td>805 H</td>
<td>56.40%</td>
</tr>
<tr>
<td>1150</td>
<td>52.55%</td>
</tr>
<tr>
<td>1000</td>
<td>51.85%</td>
</tr>
<tr>
<td>6000</td>
<td>51.48%</td>
</tr>
</tbody>
</table>

The percentage calculation was performed by considering the requirements of Credit MR 5 and the maximum distance radius (which depends on the means of transportation used).

The origin of the main components and the mean of transportation used must be validated for every project.

The FRENCH DOORS from MILETTE DOORS final manufacturing site is located in Quebec, St-Boniface de Shawinigan (J0X 2L0).

#### Comments

**FRENCH DOORS** is not FSC Certified.

The FSC certification must be clearly specified when required in a LEED® Project, to ensure compliance.

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**MR 7**

<table>
<thead>
<tr>
<th>CREDITS</th>
<th>Certified Wood</th>
<th>POTENTIAL POINTS</th>
<th>CREDIT RELEVANCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>MR 7</td>
<td>Certified Wood</td>
<td>Do not contribute</td>
<td>Direct</td>
</tr>
</tbody>
</table>

#### Requirements

Use a minimum of 50% (based on cost) of wood-based materials and products that are certified in accordance with the Forest Stewardship Council’s (FSC) Principles and Criteria, for wood building components. These components include at a minimum structural framing and general dimensional framing, flooring, sub-flooring, wood doors and finishes.

Include materials permanently installed in the project. Wood products purchased for temporary use in the project (e.g., formwork, bracing, scaffolding, sidewalk protection, and guard rails) may be included in the calculation at the project team’s discretion.

Where applicable, all these materials must be included in the calculation. The furniture can also be included if it is included with uniformity in MR Credit 3, Materials Reuse, through MR Credit 7, Certified Wood.

**MILETTE DOORS** has all required documents regarding LEED® and can rapidly provide information for a specific project.

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MILETTE DOORS has all required documents regarding LEED® and can rapidly provide information for a specific project.

**INDOOR ENVIRONMENTAL QUALITY (IEQ)**

<table>
<thead>
<tr>
<th>CREDITS</th>
<th>DURABLE STRATEGIES</th>
<th>POTENTIAL POINTS</th>
<th>CREDIT RELEVANCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>IEQ 3.2 Option 2</td>
<td>Construction IAQ management plan: Before occupancy</td>
<td>1 point</td>
<td>Indirect</td>
</tr>
</tbody>
</table>

**Requirements**

Develop an IAQ management plan and implement it after all finishes have been installed and the building has been completely cleaned before occupancy.

**Option 2 - Air Testing**

Conduct baseline IAQ testing, after construction ends and prior to occupancy, using testing protocols consistent with the United States Environmental Protection Agency Compendium of Methods for the Determination of Air Pollutants in Indoor Air and as additionally detailed in the LEED® Canada Reference Guide for Green Building Design and Construction.

| IEQ 4.1 | Low-Emitting Materials: Adhesives and sealants | Non-applicable | Direct |

**Requirements**

All adhesives and sealants used on the interior of the building (i.e., inboard side of the weatherproofing system and applied on-site) must comply with the following requirements as applicable to the project scope:

- Adhesives, Sealants and Sealant Primers: South Coast Air Quality Management District (SCAQMD) Rule #1168. Volatile organic compounds (VOC) limits are listed in the table below and correspond to an effective date of July 1, 2005 and rule amendment date of January 7, 2005.

The FRENCH DOORS from MILETTE DOORS are manufactured offsite. MILETTE DOORS selects the most environmentally friendly products and components, which indirectly promotes a better IAQ.

The use of low-emission products in the manufacturing process of FRENCH DOORS from MILETTE DOORS, helps achieving the requirements for IEQ Credit 3.2 Option 2: Air analysis.

**SIPLIY SUPPLIERS TYPE NAME OF PRODUCT VOC CONTENT g/L**

<table>
<thead>
<tr>
<th>SUPPLIER</th>
<th>TYPE</th>
<th>NAME OF PRODUCT</th>
<th>VOC CONTENT g/L</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adfast Corp.</td>
<td>Acoustic Sealant</td>
<td>Adbond 1455</td>
<td>72.45 g/L</td>
</tr>
<tr>
<td>Dural a Division of Multibond Inc.</td>
<td>Adhesive</td>
<td>G-2408</td>
<td>3 g/L</td>
</tr>
<tr>
<td>Dural a Division of Multibond Inc.</td>
<td>Adhesive</td>
<td>G-2424</td>
<td>1.6 g/L</td>
</tr>
<tr>
<td>Dural a Division of Multibond Inc.</td>
<td>Adhesive</td>
<td>G-2949</td>
<td>1.9 g/L</td>
</tr>
</tbody>
</table>

In a project, MILETTE DOORS can provide the technical data for the components having emissions.

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**CONTRIBUTION AND COMPLIANCE**

**FRENCH DOORS**

The credit IEQ 4.1 only applies to adhesives and sealants used on-site and on the interior of the building (inside the vapor barrier).

The adhesives used in the manufacturing of FRENCH DOORS from MILETTE DOORS are factory-applied and thus don’t have to meet the requirements for this credit.

However, MILETTE DOORS selects the most environmentally friendly products and components, which indirectly promotes a better IAQ.

In a project, MILETTE DOORS can provide the technical data for the components having emissions.

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## Potential Contribution: LEED® Canada-NC 2009

### Credits

#### IEQ 4.2

**Low-Emitting Materials: Paints and Coatings**

**Non-applicable**

**Indirect**

**Requirements**

Paint and coating used on the interior of the building (i.e., inside of the weatherproofing system and applied on site) must comply with the following criteria as applicable to the project scope:


- Clear wood finishes, floor coatings, stains, primers, sealers, and shellacs applied to interior elements must not exceed the VOC content limit established in South Coast Air Quality Management District (SCAQMD) Rule 1113, Architectural Coatings, rules in effect on January 1, 2004.

**Comment**

The credit IEQ 4.2 only applies to paints and coatings used on-site and on the interior of the building (inside the vapor barrier).

The paints and coatings used in the manufacturing of FRENCH DOORS from MILETTE DOORS are factory-applied and thus don’t have to meet the requirements for this credit.

Special attention should be paid to any on-site application of paints or finish products for touch ups. The products used must also meet this credit’s requirements.

#### IEQ 4.4

**Low-Emitting Materials: Composite Wood and Agrifiber Products**

**1 point**

**Direct**

**Requirements**

Composite wood and agrifiber products, including core materials, must contain no added urea-formaldehyde resins. Adhesives used to fabricate laminated assemblies containing these products must contain no urea-formaldehyde.

Specify wood and agrifiber products that contain no added urea-formaldehyde resins. Specify laminating adhesive for field and shop applied assemblies, including adhesives and veneers that contain no urea-formaldehyde. Provide product cut sheets, MSD sheets, signed attestations or other official literature from the manufacturer clearly identifying the emission limits.

**Comment**

This credit applies to all composite wood products and agricultural fiber products as well as adhesives for laminates. All these products must contain no added urea-formaldehyde resin, even if manufactured or applied off-site.

Most of MILETTE DOORS’ suppliers can offer products containing no added urea formaldehyde.

If specified, MILETTE DOORS can ensure to comply to the credit IEQ 4.4 requirements during a LEED® project.

#### IEQ 8.1

**Daylight and Views: Daylight**

**1 point**

**Indirect**

**Requirements**

To 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. Through 1 of the 4 options achieve daylighting in at least 75% of the regularly occupied spaces.

<table>
<thead>
<tr>
<th>Option</th>
<th>Simulation</th>
<th>Prescriptive</th>
<th>Measurement</th>
<th>Combination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Regularly occupied spaces</td>
<td>Points</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>75 %</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Comment**

The credit IEQ 8.1 depends on the visible light transmittance (VLT) and on the window-to-floor area ratio (WFR).

The design and selection of glass remain crucial elements for achieving this credit’s requirements.

The FRENCH DOORS from MILETTE DOORS allow in the natural light and can, depending on the selected glass, contribute to an optimization strategy of the natural light levels.

FRENCH DOORS from MILETTE DOORS have visible transmittance values which vary between 89% and 90% VLT.

During a LEED® project, MILETTE DOORS is able to rapidly provide all the necessary documentation for this credit.

MILETTE DOORS has all required documents regarding LEED® and can rapidly provide information for a specific project.

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# Potential Contribution

**LEED® Canada-NC 2009**

<table>
<thead>
<tr>
<th>Credits</th>
<th>Durable Strategies</th>
<th>Potential Points</th>
<th>Credit Relevance</th>
</tr>
</thead>
<tbody>
<tr>
<td>ID path 2</td>
<td>Innovation in design</td>
<td>2 points</td>
<td>Direct</td>
</tr>
</tbody>
</table>

**Requirements**

**Path 2: Exemplary Performance**

Achieve exemplary performance in an existing LEED 2009 for New Construction and Major Renovations credit that allows exemplary performance as specified in the LEED Reference Guide for Green Building Design & Construction, 2009 Edition. An exemplary performance point may be earned for achieving double the credit requirements and/or achieving the next incremental percentage threshold of an existing credit in LEED.

One point is awarded for each exemplary performance achieved. No more than 3 points under ID credit 1 may be earned through PATH 2 — Exemplary Performance.

**Regional Priority**

Up to 3 points for Regional Priority Credit 2 may be proposed for this credit that is intended to allow adding point emphasis to recognize one OR more issues that have additional regional environmental importance.

To achieve a Regional Priority credit, the applicant must identify LEED credits which have additional regional environmental importance.

A project must achieve the base credit and then propose that credit as a Regional Priority credit.

---

**Innovation in Design (ID)**

**Requirements**

**Path 2: Exemplary Performance**

FRENCH DOORS from MILETTE DOORS contain, in their assembly, high percentages of regional materials and certified wood, which could contribute to exemplary performance strategies for the following credits:

- MR 4 - Innovation and exemplary performance if the project achieves 30% recycled content.
- MR 5 - Innovation and exemplary performance if the project achieves 40% regional material.

**FRENCH DOORS from MILETTE DOORS** achieve excellent performances in the MR 4 and MR 5 Credits and can thus contribute to exceed these credits’ requirements.

**RÉGIONAL PRIORITY (RP)**

**Requirements**

Up to 3 points for Regional Priority Credit 2 may be proposed for this credit that is intended to allow adding point emphasis to recognize one OR more issues that have additional regional environmental importance.

To achieve a Regional Priority credit, the applicant must identify LEED credits which have additional regional environmental importance.

A project must achieve the base credit and then propose that credit as a Regional Priority credit.

---

**Points**

| TOTAL | Up to 12 possible points |

---

**The French Doors from Milette Doors** can contribute up to a total of twelve (12) possible points for LEED® Canada-NC 2009 project.

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*It is important to consider that the total amount of possible points reflects the number of achievable points in each credit category. The product by itself cannot achieve this score, as defined above, but is considered as a beneficial element in order to achieve LEED® credits.*