



## LEED® TECHNICAL DATA SHEET

### COMPANY

An innovator by means of rigorous procedures/standards and a committed team of experts, Parquets Alexandra offers hi-tech products of the highest quality.

### CONSISTENT, PROVEN PROCESSES

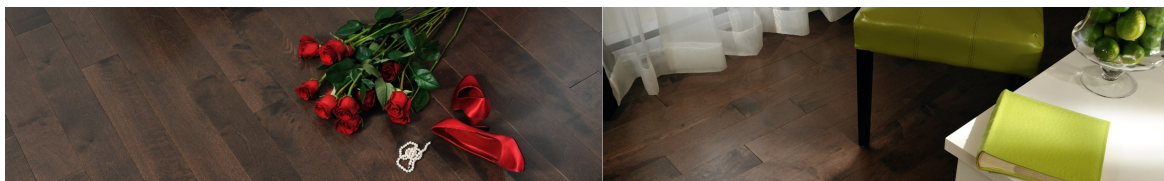
In the spirit of developing a product that blends beauty and quality, two collections were created: Signature, pre-oiled floors, and Expression, prefinished floors. These are two distinct finishes that each offer a range of species and colours to let you express yourself with style – and with no compromise in quality.

Parquets Alexandra stood apart very quickly, not just for the quality of its products but also as the first Québec Company to offer a pre-oiled flooring collection in solid hardwood and engineered technologies.

### PRODUCTS THAT SURPASS THE INDUSTRY'S QUALITY STANDARDS

In Québec, and now across Canada, Parquets Alexandra is continuing its expansion by building on quality: quality in its products, its team, its distributors and, of course, its customer relationships.

Just like its founder, Parquets Alexandra has the qualities and the personality that make it a name to remember.



### Parquets Alexandra

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## EXPRESSION COLLECTION

In 2009, Parquets Alexandra added a second product line, and the prefinished Expression hardwood range emerged with its palette of species and colours that are both elegant and stylish. Also made of top-quality raw materials, this latest addition provides a high-performance finish: anti-yellowing, anti-bacterial and, thanks to nanotechnology, resistant to abrasion.

The Expression collection has everything to inspire you with its range of species and colours to create the décor that matches who you are. Moreover, Parquets Alexandra offers its customers a choice of 30% or 50% gloss finish. You'll also appreciate its great resistance to wear and tear.



LEED® Canada-NC 2009 system summary table

Potential contribution of  
PARQUETS ALEXANDRA's  
EXPRESSION COLLECTION

					LEED® Canada NC 2009
Category		Prerequisite	Minimal number of points required	Maximal number of points required	
SS	Sustainable Sites	1	8	26	0 points
WE	Water Efficiency	1	3	10	0 points
EA	Energy and Atmosphere	3	6	35	0 points
MR	Materials and Resources	1	7	14	2 points
IEQ	Indoor Environmental Quality	2	8	15	1 point
ID	Innovation and Design	0	2	6	1 point
RP	Regional Priority	0	2	4	1 point
Total		8	36	110	Up to a total of 5 points

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

POTENTIAL  
FOR LEED® CANADA CONTRIBUTION  
NC 2009 REQUIREMENTS

CREDITS

DURABLE  
STRATEGIES

POTENTIAL  
POINTS

CREDIT REL-  
EVANCE

CONTRIBUTION AND COMPLIANCE\*  
EXPRESSION COLLECTION

MR 5

Regional materials

1-2 points

Direct

**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).

COMMENTS

The prefinished engineered flooring **EXPRESSION COLLECTION** can contribute to this credit, depending on the selected wood species. Indeed, the maple, oak and birch wood used by **PARQUETS ALEXANDRA** are extracted, collected, treated and recovered within **800 km** or **2,400 km** (depending on the transportation mean used) of the final production site.

The strips of wood used in the manufacture of the **EXPRESSION COLLECTION** have regional content, as shown in the following table:

Species	% Materials extracted, collected, treated and recovered within a 800 km or 2,400 km radius (depending on the transportation mean used).	
	TG series engineering	Lock series
Maple	21.65%	20.33%
Oak	21.09%	19.79%
Birch	20.51%	19.23%

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 **EXPRESSION COLLECTION**'s final place of manufacturing is located in **Lévis, Québec (G6V 9G5)**.

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

MR 7

Certified wood

Do not contribute

Direct

**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.

COMMENTS

**PARQUETS ALEXANDRA** is not **FSC** certified. The prefinished engineered flooring **EXPRESSION COLLECTION** contains up to **97.24%** of wood components, and will vary depending on the selected species of wood.

The percentages are calculated according to the **MR 7 credit** and excludes post-consumer recycled content.

**PARQUETS ALEXANDRA** has all required documents regarding **LEED®** and can rapidly provide information in a certified project.

POTENTIAL  
FOR LEED® CANADA CONTRIBUTION  
NC 2009 REQUIREMENTS

CREDITS DURABLE STRATEGIES POTENTIAL POINTS CREDIT REL- EVANCE CONTRIBUTION AND COMPLIANCE\*  
EXPRESSION COLLECTION

IEQ 3.2  
Option 2

Construction IAQ manage-  
ment plan: Before occupancy

1 point

Indirect

COMMENTS

**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**.

The **EXPRESSION COLLECTION** prefinished engineered flooring can indirectly contribute to the credit **IEQ 3.2 - Option 2: Air testing** since it contains no added urea formaldehyde.

The prefinished engineered flooring **EXPRESSION COLLECTION** from **PARQUETS ALEXANDRA** is finished in factory using a low volatile organic compounds (VOCs) wood finish.

IEQ 4.1

Low-emitting materials:  
Adhesives and sealants

Non applicable

Direct

COMMENTS

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

The prefinished engineered flooring **EXPRESSION COLLECTION** from **PARQUETS ALEXANDRA** is finished in factory using a low volatile organic compounds (VOCs) wood finish to reduce indoor air quality problems.

In a project, **PARQUETS ALEXANDRA** can provide technical data for all low-emitting wood finishes.

IEQ 4.2

Low-emitting materials:  
Paints and coatings

Non applicable

Direct

COMMENTS

**Requirements**

Paints and coatings used on the interior of the building (i.e., inboard side 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, and shellacs applied to interior elements must not exceed the VOC content limits established in **South Coast Air Quality Management District (SCAQMD) Rule 1113, Architectural Coatings**, rules in effect on January 1, 2004.

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

According to VOC limits of the IEQ Credit 4.2, the maximum VOC level accepted, if applied on site, is **275 g/L** for clear finish wood: lacquer.

Finishing products for the **EXPRESSION COLLECTION** are applied off-site and have a maximum **VOC** content of **70 g/L**.

It is necessary to pay special attention to on-site application of touch up paint or finishing product. They must meet the requirements of this credit.

**PARQUETS ALEXANDRA** has all required documents regarding **LEED®** and can rapidly provide information in a certified project.

**POTENTIAL  
FOR LEED® CANADA CONTRIBUTION  
NC 2009 REQUIREMENTS**

**CREDITS DURABLE STRATEGIES POTENTIAL POINTS CREDIT REL- EVANCE CONTRIBUTION AND COMPLIANCE\* EXPRESSION COLLECTION**

IEQ 4.3

**Low-Emitting Materials:  
Flooring Systems**

Do not contribute

Direct

COMMENTS

**Requirements**

**Option 1**

- All hard surface flooring covered by the **FloorScore** standard must be certified as compliant with the standard (current as of the date of this rating system, or more stringent version) by an independent third party. Flooring products covered by **FloorScore** include vinyl, linoleum, laminate flooring, engineered wood flooring, ceramic flooring, rubber flooring and wall base.
- Concrete, wood, bamboo, and cork floor finishes such as sealers, stains, and finishes, must meet the requirements of **South Coast Air Quality Management District (SCAQMD)** Rule 1113, Architectural Coatings, rules in effect on January 1, 2004.

**Option 2**

All flooring products installed in the building interior must meet the testing and product requirements of the **California Department of Public Health Standard Practice for the Testing of Volatile Organic Emissions from Various Sources Using Small-Scale Environmental Chambers**, including 2004 Addenda.

The **EXPRESSION COLLECTION** prefinished engineered flooring cannot contribute to this credit since it is not **FloorScore** certified.

Moreover, they have not been subjected to the testing of the **California Department of Public Health Standard Practice for the Testing of Volatile Organic Emissions from Various Sources Using Small-Scale Environmental Chambers**, including 2004 Addenda.

IEQ 4.4

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

1 point

Direct

COMMENTS

**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.

The prefinished engineered flooring **EXPRESSION COLLECTION** from **PARQUETS ALEXANDRA** will contribute to this credit as the plywood contains no added urea-formaldehyde resins. It is manufactured with a resin containing phenol-formaldehyde (**CARB** certified emission class E1 phase 2).

**PARQUETS ALEXANDRA** has all required documents regarding **LEED®** and can rapidly provide information in a certified project.

**POTENTIAL  
FOR LEED® CANADA** **CONTRIBUTION  
NC 2009 REQUIREMENTS**

**CREDITS**

**DURABLE  
STRATEGIES**

**POTENTIAL  
POINTS**

**CREDIT REL-  
EVANCE**

**CONTRIBUTION AND COMPLIANCE\*  
EXPRESSION COLLECTION**

RP 2

Regional priority

1 point

Direct/  
Indirect

COMMENTS

**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.**

The **EXPRESSION COLLECTION** may contribute towards achievement of a regional priority credit as the Material & Resources credit 5 regional material is considered as a regional priority for the following provinces: Alberta, Saskatchewan, Quebec, New-Brunswick, Nova Scotia and Prince Edward Island.

For a list of applicable credits, please refer to the CaGBC website [www.cagbc.org](http://www.cagbc.org), under the LEED® tools section for the LEED® Canada-NC 2009 & CS 2009 Rating Systems.

**PARQUETS ALEXANDRA** has all required documents regarding LEED® and can rapidly provide information in a certified project.

REGIONAL PRIORITY (RP)

POINTS

**TOTAL**

**UP TO  
5 POSSIBLE POINTS**

**The EXPRESSION COLLECTION can contribute up to a total of five (5) points for a LEED® Canada-NC 2009 project**

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