



## POTENTIAL CONTRIBUTION FOR LEED® CANADA-NC 2009 REQUIREMENTS

### CREDITS

### DURABLE STRATEGIES

### POTENTIAL POINTS

### CREDIT RELEVANCE

### CONTRIBUTION AND COMPLIANCE\* AD-532+ ADHESIVE

MR 5

Regional materials

Does not contribute

Direct

COMMENTS

#### 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).

**AD-532+** is a urethane adhesive designed to glue engineered wood flooring and thermo-acoustic membranes.

The **AD-532+** adhesive does not contribute to this credit since none of the components used in its composition are extracted, collected, treated and recovered within **800 km** by truck or **2,400 km** by train or by boat of the final production site. Moreover, adhesives are often excluded from this type of calculation.

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).

This product final place of manufacturing is located in **Garland, Texas**.

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

MR 6

Rapidly renewable materials

1 point

Direct

COMMENTS

#### Requirements

Use rapidly renewable building materials and products for **2.5%** of the total value of all building materials and products used in the project, based on cost. Rapidly renewable building materials and products are made from plants that are typically harvested within a 10-year cycle or shorter. Furniture may be included if it is included consistently in MR Credits 3: Materials Reuse through MR Credit 7: Certified Wood.

The **AD-532+** adhesive can contribute to this credit since **10.8%** of its components are considered as rapidly renewable materials (typically harvested within a ten-year cycle or shorter).

IEQ 3.2 Option 2

Construction IAQ management 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 **AD-532+** adhesive can indirectly contribute to this credit and can be beneficial to projects selecting the **option 2** in Credit **IEQ 3.2**: Air testing **prior to occupancy**.

The **AD 532+** adhesive is environmentally friendly and has a low VOC content and may therefore contribute to the interior air quality improvement (**IAQ**).

**MERCIER WOOD FLOORING** has all required documents regarding LEED® and can rapidly provide information in a certified project.

INDOOR ENVIRONMENTAL QUALITY (IEQ)

MATERIALS AND RESOURCES (MR)

Vertima's interpretation regarding potential contribution and compliance of the product and/or system to the LEED® credits are based on information given by the clients and their suppliers, who are responsible for its veracity and integrity. Vertima documents, analyses and validates the supporting documentation in compliance with the CAN/CSA ISO 14021 standard. Therefore, Vertima cannot be held responsible for false or misleading information. **VERTIMA INC.** ensures an annual review of the technical data enclosed in this document in collaboration with its clients in order to maintain a high quality standard.

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In effect since: July 2013

Last update: July 2013

Technical Data documented and validated by: [www.vertima.ca](http://www.vertima.ca)





# MERCIER

wood flooring



## POTENTIAL CONTRIBUTION FOR LEED® CANADA-NC 2009 REQUIREMENTS

INDOOR ENVIRONMENTAL QUALITY (IEQ)

### CREDITS

### DURABLE STRATEGIES

### POTENTIAL POINTS

### CREDIT RELEVANCE

### CONTRIBUTION AND COMPLIANCE\* AD-532+ ADHESIVE

IEQ 4.1

Low-Emitting Materials:  
Adhesives and sealants

1 point

Direct

### COMMENTS

#### Requirements

All adhesives and sealants used on the interior of the building (i.e., inboard side of the weather-proofing 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.

This credit applies to adhesives and sealants used on-site and on the interior of the building.

The AD-532+ adhesive complies with the VOC content limits of the SCAQMD rule 1168.

The AD-532+ adhesive has a VOC content of 15 g/L and can therefore help achieve this credit.

REGIONAL PRIORITY (RP)

RP 2

Regional priority

1-3 points

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.

Please refer to the Advantages and Aspects to Consider section of the Regional Priority credit.

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

MERCIER WOOD FLOORING has all required documents regarding LEED® and can rapidly provide information in a certified project.



POINTS

TOTAL

UP TO  
6 POINTS

The AD-532+ Adhesive can contribute up to a total of six (6) points for a LEED® Canada-NC 2009 project

\* 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.

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