

LEED® synthesis sheet

AD-844 MS adhesive

**AD-844 MS adhesive:
Product contribution to LEED® Canada-NC 2009**

LEED® Canada-NC 2009

Contribution

Materials and Resources (MR)

Credit MR 5 – Regional Materials

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).

Credit MR 6 – Rapidly Renewable Materials

Requirements

Use rapidly renewable building materials and products (made from plants that are typically harvested within a ten-year cycle or shorter) for **2.5 %** of the total value of all building materials and products used in the project.

Non-compliant

Comments

AD-844 MS adhesive is a urethane based adhesive used to install hardwood floor, exotic wood, engineered wood and bamboo. This product is ideal for indoor residential, commercial, heavy commercial and institutional use.

The **AD-844 MS** 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 not significant and are often excluded from this credit's calculations.

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 **AD-844 MS** adhesive final place of manufacturing is located in Garland, TX (75041).

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

All data on regional materials components were identified and validated by a third party – Vertima Inc.

1 to 2 points

Comments

The **AD-844 MS** adhesive can contribute to this credit since **7,8 %** of its components are considered as rapidly renewable materials (typically harvested within a ten-year cycle or shorter).

All data on rapidly renewable materials components were identified and validated by a third party – Vertima Inc.

*Vertima's interpretation regarding potential contribution and compliance of the product and/or system for the LEED® credits are based on information given by the clients who are responsible for its veracity and integrity. Vertima is validating given proof and vouchers with manufacturers and their suppliers. Therefore, Vertima cannot be held responsible for false information or misinterpretation.

Indoor Environmental Quality (IEQ)

Credit IEQ 3.2 – Management plan: before occupancy

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. Demonstrate that the contaminant maximum concentrations listed are not exceeded.

IEQ credit 4.1 – Low-Emitting Materials: Adhesives & sealants

Requirements

The **VOC** content of adhesives, sealants and sealant primers used must be less than the VOC content limits of the **State of California's South Coast Air Quality Management District (SCAQMD) Rule 1168**, October 2003.

Regional Priority (RP)

Credit RP 2 – Regional Priority

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.**

1 point

Comments

The **AD-844 MS** 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**.

Finitec Canada has shown a marked interest in developing and selecting products that have less adverse effects on the environment. **Finitec Canada's** adhesives are environmentally friendly and have a low VOC content and may therefore contribute to the interior air quality improvement (**IEQ**).

1 point

Comments

The **AD-844 MS** adhesive complies with the **VOC** content limits of the **SCAQMD rule 1168** (less than 100 g/L VOC content).

The **AD-844 MS** adhesive has a **VOC** content of **8 g/L** and can therefore help achieve this credit.

1 to 3 points

Comments

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.cagbc.org, under the LEED® tools section for the LEED® NC 2009 and LEED® CS 2009 Rating Systems.

TOTAL

AD-844 MS adhesive can contribute up to a total of five (5) points for LEED® Canada-NC 2009

*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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