



**Expect more from your floor.
Silikal America**

Installation of Silikal Hygiene Critical® Floor and Wall Systems may contribute to your ability to apply for and achieve the following LEED Credits:

Materials and Resources (MR)

MR Credit 1.2: Building Reuse—Maintain Interior Nonstructural Elements (1 Point)

Intent

The intent of this credit is to extend the lifecycle of existing building stock, conserve resources, retain cultural resources, reduce waste, and reduce environmental impacts of new buildings as they relate to manufacturing and transportation of building materials.

Requirements

Use existing interior nonstructural elements (includes floor coverings) in at least 50% (by area) of the completed building, including additions. Existing Silikal Floor Systems are easily reused with a simple recoating process and should contribute to obtaining this credit. If the project includes an addition with square footage more than 2 times the square footage of the existing building, this credit is not applicable. *This credit will only pertain to buildings that have a Silikal Floor System already installed.*

MR Credit 3: Materials Reuse (1–2 Points)

Intent

The intent of this credit is to reuse building materials and products so as to reduce demand for virgin materials and reduce waste, thereby lessening impacts associated with the extraction, and processing of virgin resources.

Requirements

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 total value of materials permanently installed on the project.* Existing Silikal Floor Systems are easily refurbished on site and should contribute to obtaining this credit. The minimum percentage materials reused for each point threshold is as follows:

Reused Materials Points

5% 1 Point

10% 2 Points

This credit will only pertain to buildings that have a Silikal Floor System already installed.

MR Credit 5: Regional Materials (1–2 Points)

Intent

To increase demand for building materials and products that are extracted and manufactured within the region, thereby supporting the use of indigenous resources and reducing the environmental impacts resulting from transportation.

Requirements

Use building materials or products that have been extracted, harvested or recovered, *as well as* manufactured, within 500 miles of the project site for a minimum of 10% or 20%, based on cost, of the total materials value. If only a fraction of a product or material is extracted, harvested, or recovered *and* manufactured locally, then only that percentage (by weight) can contribute to the regional value. Since Silikal Floor Systems are *manufactured* on site with materials that have been produced elsewhere, only the percentage of the cost of the system that is represented by the actual on site manufacturing process can be included to obtain these credits.

The minimum percentage regional materials for each point threshold is as follows:

Regional Materials Points

10% 1 Point

20% 2 Point

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Indoor Environmental Quality (EQ)

EQ Credit 4.1: Low-Emitting Materials—Adhesives and Sealants (1 Point)

Intent

To reduce the quantity of indoor air contaminants that are odorous, irritating and/or harmful to the comfort and well-being of installers and occupants.

Requirements

All adhesives and sealants used on the interior of the building (i.e., inside 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 must comply with South Coast Air Quality Management District (SCAQMD) Rule #1168. Volatile organic compound (VOC) limits listed in the table below correspond to an effective date of July 1, 2005 and rule amendment date of January 7, 2005. Silikal Floor Systems meet SCAQMD Rule 1168 Standards of less than 250 Grams per Liter VOC for Architectural Non Porous Sealant Primers. When tested in accordance with the ASTM D 2369-10 Test Protocol, VOC of Silikal Floor Systems is less than 7 Grams per Liter and is in compliance with the VOC and Chemical Component Limits of Green Seal Requirements.

Sealant Primers	VOC Limit (g/L less water)
Architectural, nonporous	250
Architectural, porous	775
Other	750

IE Q Credit 4.2: Low-Emitting Materials—Paints and Coatings (1 Point)

Intent

To reduce the quantity of indoor air contaminants that are odorous, irritating and/or harmful to the comfort and well-being of installers and occupants.

Requirements

Paints and coatings used on the interior of the building (i.e., inside of the weatherproofing system and applied onsite) 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. Silikal Floor Systems meet SCAQMD Rule 1113 Standards of less than 100 Grams per Liter VOC for Architectural Coatings. When tested in accordance with the ASTM D 2369-10 Test Protocol, VOC of Silikal Floor Systems is less than 7 Grams per Liter and is in compliance with the VOC and Chemical Component Limits of Green Seal Requirements.

For more information on how Silikal products can help your organization with LEED credits, please contact our LEED professional.
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