

CANADIAN AFP SUSTAINABLE DESIGN SHEET: BIOBASED TILE®

SECTION I. PRODUCT IDENTIFICATION

Product Name: Armstrong® Flooring Products
Description: BioBased Tile® (BBT™)

To ensure all products conform to safety, environmental and quality standards.

To reduce waste and embrace recycling in all our operations, and to dispose of waste materials in an environmentally-responsible manner.

SECTION II. ENVIRONMENTAL POLICY

Key Requirements:

Our policy on the environment is:

To exercise care in the selection and use of energy and raw materials.

To provide for environmental safety in our workplaces and communities.

To be prepared for emergencies and to act promptly and responsibly to protect people and the environment.

SECTION III. LEED® SUMMARY

This credit summary is for Armstrong BioBased Tile. Listed below are the credits in LEED for New Construction (LEED CANADA-NC) and LEED for Commercial Interiors (LEED CANADA-CI) that are applicable to tile products.

<p>MATERIALS AND RESOURCES</p> <p>.....</p> <p>MR Credit 4.1, 4.2 - RECYCLED CONTENT</p> <p>LEED CANADA-NC (7.5% & 15% post-consumer + 1/2 preconsumer)</p> <p>LEED CANADA-CI (10% & 20% post-consumer + 1/2 preconsumer)</p>	<p>Intent: Increase the demand for building products that incorporate recycled content materials, thereby reducing impacts resulting from extraction and processing of virgin materials.</p> <p>Requirement: LEED CANADA-NC – Use materials with recycled content such that the sum of the post-consumer recycled contents plus one-half of the preconsumer (post-industrial) content constitutes at least 7.5% or 15% of the total value of the materials in the project.</p> <p>LEED CANADA-CI – Use materials with recycled content such that the sum of the post-consumer recycled contents plus one-half of the preconsumer (post-industrial) content constitutes at least 10% or 20% of the total value of the materials in the project.</p> <p>Armstrong Biobased Tile contains 10% preconsumer recycled content in the form of recycled limestone.</p>
<p>MR Credit 5.1, 5.2 REGIONAL MATERIALS</p> <p>LEED CANADA-NC – 10% & 20% Extracted & Manufactured Locally</p> <p>LEED CANADA CI – 10% & 20% Extracted & Manufactured Locally</p>	<p>Intent: 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.</p> <p>Requirement: LEED CANADA-NC – Use a minimum of 10% or 20% of building materials where: 1. 80% of the mass is extracted, processed and manufactured within 800 km of the project site; 2. 80% of the mass is extracted, processed and manufactured within 2400 km of the project site and shipped by rail or water; 3. the building materials or products reflect a combination of #1 and #2.</p> <p>LEED CANADA-CI – Use a minimum of 20% of all construction and Division 12 (furniture) materials and products that are manufactured regionally within a radius of 500 miles.</p> <p>Armstrong BioBased Tile is manufactured in Jackson, Mississippi.</p>

<p>MR Credit 6: Rapidly Renewable Materials</p>	<p>Intent: Reduce the use and depletion of finite raw materials and long-cycle renewable materials by replacing them with rapidly renewable materials.</p> <p>Requirement: LEED CANADA-NC - Use rapidly renewable building materials and products (made from plants that are typically harvested within a ten-year cycle or shorter) made for 5% of the total value of all materials and product used in the project.</p> <p>LEED CANADA-CI – Use rapidly renewable construction and Division 12 (Furniture and Furnishings) materials and products, made from plants that are typically harvested within a 10-year or shorter cycle, for 5% of the total value of all materials and products used in the project.</p> <p>Armstrong® BioBased Tile® contains BioStride™, a revolutionary patent-pending polymer with 2% rapidly renewable content, based on the weight of the composite tile.</p>
<p>INDOOR ENVIRONMENTAL QUALITY</p> <p>.....</p> <p>EQ Credit 4.1: Low Emitting Materials: Adhesives and Sealants</p>	<p>Intent: Reduce the quantity of indoor air contaminants that are odorous, irritating and/or harmful to the comfort and well-being of installers and occupants.</p> <p>Requirement: All adhesives and sealants used on the interior of the building shall comply with the requirements of the South Coast Air Quality Management District Rule #1168. Aerosol adhesives must meet the Green Seal Standard for Commercial Adhesives.</p> <p>Armstrong commercial adhesives meet the requirements set forth in the SCAQMD Rule #1168 (with the exception of S-89) and are considered by this standard a low-emitting adhesive.</p>
<p>EQ Credit 4.3: Low Emitting Materials: Carpet Systems (Alternative Credit for Resilient Flooring)</p>	<p>Intent: Reduce the quantity of indoor air contaminants that are odorous, irritating and / or harmful to the comfort and well-being of installers and occupants.</p> <p>Requirement: Under a credit interpretation ruling, CaGBC approved FloorScore™ program certified hard surface flooring products as an alternative compliance path to LEED® credit EQ4.3 Low-Emitting Materials: Carpet Systems. To achieve the LEED credit, a minimum of 25% of the finished floor area of a building must be comprised of resilient floor products, and 95% of the resilient floor products must be FloorScore certified (Greenguard and Greenguard Children and Schools is also acceptable). Additionally, all components of the resilient floor system including adhesives, sealants and backing must meet the requirements of EQ Credit 4.1.</p> <p>All Armstrong Resilient Flooring Products are independently tested and certified as low-emitting products under the FloorScore program.</p>

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