



Longboard LEED v4.1 Interior Systems Summary Sheet

Interior Design and Construction (ID+C)





Item No.	Category	Applicable products	LEED Credit, Intent, Pathway, and Longboard Contribution	Points
1.	Materials & Resources	<ul style="list-style-type: none"> All Longboard interior systems All Longboard ECO™ Products 	<p>MR Credit: Building Life Cycle Impact reduction BD+C: Option 4. Whole-Building Life-Cycle Assessment ID+C: Option 3. Building Interiors Life-Cycle Assessment</p> <p>Intent: To encourage adaptive reuse and optimize the environmental performance of products and materials.</p> <p>Requirements Conduct a life-cycle assessment of the project's structure and enclosure, or interior (based on LEED rating system). Earn points based on percentage reduction of LEED's impact category.</p> <p>Solution: Longboard products have lower embodied carbon when compared to the industry average. Use Longboard third party-certified Product EPD for Whole Building LCA Calculations.</p> <p>Supporting Documents: Longboard Product-specific Type III EPDs</p> <ul style="list-style-type: none"> Primary: https://longboardproducts.com/s/LONGBOARD-EPD_PRIMARY-ALUMINUM.pdf Longboard ECO™: https://longboardproducts.com/s/LONGBOARD-EPD_RECYCLED-ALUMINUM.pdf 	<p>BD+C: 1-4 points</p> <p>ID+C: 1-3 points</p>
2.	Materials & Resources	<ul style="list-style-type: none"> All Longboard interior systems All Longboard ECO™ Products 	<p>MR Credit: Building Product Disclosure and Optimization – Environmental Product Declaration BD+C and ID+C: Option 1. Environmental Product Declaration (EPD)</p> <p>Intent: To encourage the use of products and materials for which life-cycle information is available and that have environmentally, economically, and socially preferable life-cycle impacts.</p> <p>Requirements: Use at least permanently installed products sourced from different manufacturers that meet LEED's LCA and EPD criteria. Required number of products and manufacturers depend on building and project type.</p> <p>Solution: Longboard's Product-specific Type III EPDs are valued as 1.5 products for the purposes of credit achievement calculation.</p> <p>Supporting Documents: Longboard Product-specific Type III EPDs:</p> <ul style="list-style-type: none"> Primary: https://longboardproducts.com/s/LONGBOARD-EPD_PRIMARY-ALUMINUM.pdf Longboard ECO™: https://longboardproducts.com/s/LONGBOARD-EPD_RECYCLED-ALUMINUM.pdf 	<p>BD+C: 1-2 points</p> <p>ID+C: 1-2 points</p>
3.	Materials & Resources	All Longboard ECO™ Products	<p>MR Credit: Building Product Disclosure and Optimization – Sourcing of Raw Materials BD+C and ID+C: Recycled Content</p> <p>Intent: To encourage the use of products and materials for which life cycle information is available and that have environmentally, economically, and socially preferable life cycle impacts.</p> <p>Requirements: 20-40% of products, by cost, sourced from different manufacturers based on LEED's responsible sourcing and extraction</p>	<p>BD+C: 1-2 points</p> <p>ID+C: 1-2 points</p>



			<p>criteria. Recycled content is the sum of postconsumer recycled content plus one-half the pre-consumer recycled content, based on weight.</p> <p>Solution: Longboard ECO™ products offer a minimum 50% pre-consumer recycled content.</p> <p>Supporting Documents: Contact your Longboard dealer for recycled material option selection, and for Supplier Letter confirming recycled content.</p>	
4.	Materials & Resources	<ul style="list-style-type: none"> All Longboard interior systems All Longboard ECO™ Products 	<p>MR Credit: Building Product Disclosure and Optimization – Material Ingredients BD+C and ID+C: Option 1. Material Ingredient Reporting</p> <p>Intent: To encourage the use of products and materials for which life-cycle information is available and that have environmentally, economically, and socially preferable life-cycle impacts.</p> <p>Requirements: Use permanently installed products sourced from different manufacturers that used LEED’s approved programs that demonstrate product chemical inventory. Required number of products and manufacturers depend on building and project type.</p> <p>Solution: All Longboard products meet the Declare label “Red List Free” status.</p> <p>Supporting Documents: Longboard Declare Product Label ID MYN-0001 - https://declare.living-future.org/products/longboard-products-plank-dauntless-link-and-lock-beam-system</p>	<p>BD+C: 1-2 points</p> <p>ID+C: 1-2 points</p>
5.	Indoor Environmental Quality	<ul style="list-style-type: none"> All Longboard interior systems All Longboard ECO™ Products 	<p>EQ Credit: Low-Emitting Materials BD+C and ID+C: Product Categories - Wall panels and Ceilings</p> <p>Intent: To reduce concentrations of chemical contaminants that can damage air quality, human health, productivity, and the environment.</p> <p>Requirements: Points awarded based on number of product categories achieved. For wall panels and ceilings, at least 75% of wall panels and/or 90% of ceilings (by cost or surface area) meet the LEED VOC emissions evaluation, OR inherently non-emitting sources criteria, OR salvaged and reused materials criteria.</p> <p>Solution: All Longboard interior systems meet the LEED Inherently non-emitting sources criteria. All our interior systems are powder coated with 2604/2605 certified powder. Everything is VOC free, created with chrome-free processes, and 100% non-combustible.</p> <p>Supporting Documents: Interior systems submittal packages https://www.longboardproducts.com/interior-systems</p>	<p>BD+C: 1-3 points</p> <p>ID+C: 1-3 points</p>
6.	Indoor Environmental Quality	<ul style="list-style-type: none"> All Longboard interior systems (varies with finish) 	<p>EQ Credit: Interior Lighting BD+C: Option 2, Strategy E ID+C: Strategy 4</p> <p>Intent: To promote occupants’ productivity, comfort, and well-being by providing high-quality lighting.</p> <p>Requirements: BD+C Option 2, Strategy E: For at least 90% of the regularly occupied floor area, meet or exceed the following thresholds for area-weighted average surface reflectance: 85% for ceilings, 60% for walls, and 25% for floors. ID+C Strategy 4: For at least 90% regularly occupied spaces, use interior finishes with a surface reflectance greater or equal to 80% for ceilings and 55% for walls.</p>	<p>BD+C: 1-2 points</p> <p>ID+C: 1-2 points</p>



			<p>Solution: Light reflectance value (LRV) of Longboard interior systems vary with finish but can have LRV of up to 73.2% (Ultra White).</p> <p>Supporting Documents: Contact your Longboard dealer for colour selection, and for Supplier Letter confirming LRV.</p>	
7.	Indoor Environmental Quality	<ul style="list-style-type: none">Longboard metal acoustical ceiling systems	<p>EQ Prerequisite: Minimum Acoustic Performance BD+C: Option 1</p> <p>Intent: To provide classrooms that facilitate teacher-to-student and student-to-student communication through effective acoustic design.</p> <p>Requirements: For each room, confirm that the total surface area of acoustic wall panels, ceiling finishes, and other sound-absorbent finishes equals or exceeds the total ceiling area of the room (excluding lights, diffusers, and grilles). Materials must have an NRC of 0.70 or higher to be included in the calculation</p> <p>Solution: Longboard metal acoustic ceiling systems have an acoustic sound absorption rating which varies between NRC 0.70 and as high as NRC 0.95.</p> <p>Supporting Documents: Longboard metal acoustic ceiling submittal packages.</p>	BD+C: Prereq



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