

LEED® v4 OVERVIEW



24/7 access to LEED® information and documentation you need in the design or submittal process for any Armstrong Ceiling and Wall System

Theme	Credit	LEED® Credit	Points	Armstrong Ceilings Contribution
Recycling Program	MRp; MRc	Construction Waste Management Now a Prerequisite – ID at least 5 materials	MRp Required MRc 1-2	<p>ARMSTRONG CEILING RECYCLING PROGRAM</p> <p>MRp2: Add the Armstrong Ceiling Recycling Program to the Waste Management Plan to provide a solution to divert materials from the waste stream, increasing diversion percentage. Ceilings qualify as 1 nonstructural material. Available throughout the US and Canada.</p> <p>MRc6, Option 1: Ceilings qualify as a material stream to meet 50-75% diversion.</p> <p>MRc6, Option 2: Reduction in Total Waste: Specify products with minimal waste; Show ceiling waste reduction over drywall.</p>
Regional Materials	MR credits	Regional Materials (Extracted, manufactured and purchased w/in 100 miles)	200% base contributing cost	<p>ARMSTRONG MANUFACTURING LOCATIONS</p> <p>Armstrong has the largest number of ceiling and suspension plant locations in North America. Use the Armstrong LEED Calculator to calculate mileage for manufacture and extraction locations; Product meeting 100 mile criteria is valued at 200% of base cost.</p>
Life Cycle Impacts & Environmental Product Declarations Design for Flexibility	MRc BD&C MRc ID&C	Building Life Cycle Reduction Interiors Life Cycle Impact Reduction	BD&C – 3 ID&C – 1-3	<p>ARMSTRONG PRODUCT EPD'S</p> <p>BD&C, Option 4: Use Armstrong third party-certified Product EPD or Embodied Energy (EE) for Whole Building LCA Calculations.</p> <p>ARMSTRONG CEILING-2-CEILING PRODUCTS</p> <p>ID&C, Option 1 – Reuse of nonstructural elements: Specify Armstrong Ceiling-2-Ceiling products – new ceilings made of reclaimed ceilings that are returned to our recycling program with a high level of post-consumer recycled content.</p> <p>DC FLEXZONE™ SUSPENSION SYSTEMS</p> <p>ID&C, Option 3 – Design for Flexibility: Install DC FlexZone™ Suspension Systems to distribute safe, low voltage direct current (DC) power and improve the flexibility and reuse of interior spaces, armstrong.com/dcflexzone.</p> <p>ARMSTRONG ACCESSIBLE CEILING SYSTEMS</p> <p>ID&C, Option 3 – Design for Flexibility: Specify any of a wide range of both upward and downward accessible Armstrong ceilings, in mineral fiber, fiberglass, metal and wood substrates.</p>
Life Cycle Impacts & Environmental Product Declarations	MRc BD&C MRc ID&C	Building Disclosure and Optimization – Environmental Product Declaration	BD&C – 1 ID&C – 1-2	<p>ARMSTRONG PRODUCT EPD'S</p> <p>BD&C, Option 1: Use Armstrong type III Product EPD's.</p> <p>ID&C, Option 2: Use Armstrong EPD's which show reduction in the total ceiling system and suspension system impact.</p>

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Recycling Biobased FSC Recycled Content	MRc BD&C MRc ID&C	Building Disclosure and Optimization – Sourcing of Raw Materials	BD&C – 1-2 ID&C – 1-2	<p>ARMSTRONG COMMITMENT TO SUSTAINABILITY BD&C, Option 1: Use the Armstrong self-declared sustainability report (1/2 value) located on our corporate website: www.armstrong.com/sustainability</p> <p>ARMSTRONG RECYCLING PROGRAM BD&C, Option 2 – Leadership Extraction Practices: Extended Producer Responsibility: Add the Armstrong Ceiling Recycling Program to the Waste Management Plan to provide a solution to divert materials from the waste stream, increasing diversion percentage.</p> <p>ARMSTRONG BIOBASED PRODUCTS BD&C, Option 2 – Leadership Extraction Practices: Biobased Products: Specify Armstrong mineral fiber panels that contain plant-based binders, biobased alternatives to petroleum-based binders.</p> <p>ARMSTRONG WOOD CEILINGS & WALLS BD&C, Option 2 – Leadership Extraction Practices: Wood: Specify Armstrong FSC-certified (92% mixed) composite wood ceilings and walls.</p> <p>ARMSTRONG HIGH RECYCLED CONTENT CEILINGS BD&C, Option 2 – Leadership Extraction Practices: Recycled Content: Specify Armstrong mineral fiber, fiberglass and wood ceilings which have a recycled content from 50%- 95%, in addition to high recycled suspension systems, drywall grid and framing systems.</p>
Product Declarations Cradle-to-Cradle	MRc BD&C MRc ID&C	Building Disclosure and Optimization – Material Ingredients	BD&C – 1-2 ID&C – 1-2	<p>ARMSTRONG PRODUCT DECLARATIONS BD&C, Option 1: Material Ingredient Reporting: Armstrong Product Declarations qualify for Manufacturer Inventory (1 Pt).</p> <p>ARMSTRONG CRADLE-TO-CRADLE CERTIFICATION BD&C, Option 2: Material Ingredient Optimization: Armstrong provides Cradle-to-Cradle certification at Silver, Gold, Platinum levels (1Pt) for our Ceiling infill panels manufactured in the US, and a selection of Ceiling products manufactured in Europe.</p>
VOC Emissions CDPH	EQc	Low Emitting Materials	BD&C – 1-3 ID&C – 1-3	<p>ARMSTRONG LOW OR NO-ADDED FORMALDEHYDE CEILINGS All Armstrong mineral fiber and Optima PB acoustical ceilings meet General Emissions Evaluation per the CDPH standard; v1.1 2010.</p> <p>All Armstrong WoodWorks® ceilings (except WoodWorks Channeled and solid wood options) meet CARB. ULEF options available.</p>
Lighting Hi-LR	EQc	Interior Lighting – Lighting Quality	BD&C – 1 ID&C – 1	<p>ARMSTRONG HIGH LIGHT-REFLECTANT CEILINGS AND WALLS BD&C, Option 2: Choose Armstrong Hi-LR ceilings (LR.85) or walls (.60) to aid in extending daylighting into the space.</p> <p>BD&C, Option 2: Specify Armstrong TechZone® lighting partners and LED lighting as another option to satisfy LEED® criteria.</p>
Acoustics	EQc	Acoustic Performance (now all Rating Systems)	BD&C – 2 ID&C – 2	<p>ARMSTRONG ACOUSTIC CEILINGS & WALLS BD&C – 2, Option 2: Choose Armstrong Wall Panels to add to drywall for a higher combined STC value, significantly reducing Sound Transmission.</p> <p>BD&C – 2, Option 2: Armstrong acoustic ceilings absorb sound, contributing to the reduction of Reverberation Time and increased speech intelligibility. Schools must meet ANSI Standard S12-60. contributing to the reduction of reverberation time.</p>