

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 <u>Armstrong Ceiling Recycling Program</u> 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 installations.</p>
Regional Materials	MR credits	Regional Materials (Extracted, manufactured and purchased w/ in 100 miles)	200% base contributing cost	<p>ARMSTRONG CEILING MANUFACTURING LOCATIONS</p> <p>Armstrong has the largest number of ceiling and suspension plant locations in North America. Use the <u>Armstrong Ceilings LEED® Calculator</u> 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	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 <u>Product EPD</u> 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 <u>DC FlexZone™</u> Suspension Systems to distribute safe, low voltage direct current (DC) power and improve the flexibility and reuse of interior spaces, armstrongceilings.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> <p>All Sustain™ Products contribute to this credit.</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 <u>Product EPD's</u>.</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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Corporate Sustainability and Raw Material Sourcing	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.armstrongceilings.com/sustain</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. All Sustain™ Products contribute to this credit.</p>
Material Ingredient Disclosure	MRc BD&C MRc ID&C	Building Disclosure and Optimization – Material Ingredients	BD&C – 1-2 ID&C – 1-2	<p>HEALTH PRODUCT DECLARATIONS & DECLARE™ BD&C, Option 1: Material Ingredient Reporting: Health Product Declarations and Declare™ labels qualify for Manufacturer Inventory (1 Pt). All Sustain™ Products contribute to this credit.</p>
VOC Emissions	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. All Sustain™ Products contribute to this credit.</p>
Lighting	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. Look for Total Acoustics® products.</p>

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