

Armstrong Ceiling, Suspension and Wall Systems LEED® Canada Credit Summary

SECTION I. PRODUCT IDENTIFICATION

Product Name: Armstrong Mineral Fiber and Fiberglass Ceilings, Armstrong WoodWorks®, MetalWorks™, Walls and Suspension Systems

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

Our overall goal is to make sure our activities as a corporation are in harmony with the natural world around us.

Armstrong recognizes the importance of protecting the environment and using resources responsibly. We are committed to environmental stewardship in our dealings with customers, employees, the government and our community.

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 learn more, please visit armstrong.com/ceilings/green. Use the Green Genie at armstrong.com/greengenie or contact Armstrong TechLineSM at 877 ARMSTRONG to obtain specific details and LEED documentation for your project.

SECTION III.

This credit summary is an Impact Analysis of Armstrong Mineral Fiber Ceilings, Walls and Suspension Systems pertaining to the LEED® Canada Rating Systems. The credits apply to LEED Canada for New Construction (LEED Canada-NC), and LEED Canada for Commercial Interiors (LEED Canada-CI).

ENERGY AND ATMOSPHERE

EA Credit 1: OPTIMIZE ENERGY PERFORMANCE

LEED NC – Canada
Energy Credit
1.2 – Optimize Energy Performance

LEED CI –
Energy and Atmosphere Credit 1.1

LEED NC

Intent: Achieve increasing levels of energy performance to reduce environmental impacts associated with excessive energy use.

Requirement: New Buildings: Reduce design energy cost compared to the energy cost of the MNECB OR ASHRAE/IESNA 90.1-2004 reference building for energy systems regulated by these standards.

Major renovations to existing Buildings:

Reduce design energy cost compared to the energy cost of the MNECB/CBIP OR ASHRAE/IESNA 90.1-1999 reference building for energy systems regulated by these standards.

LEED CI

Intent: Achieve increasing levels of energy conservation beyond the referenced standard to reduce environmental and economic impacts associated with excessive energy use.

Requirement: Reduce connected lighting power density below that allowed by ASHRAE/IESNA Standard 90.1-2004 using either the Space-by-Space Method or by applying the whole building lighting power allowance to the entire tenant space.

Armstrong Contribution: A suspended ceiling design delivers up to an 18% energy savings over an open plenum/ducted air return design. The efficiencies in a suspended ceiling design is the use of a return air plenum with low static pressures and fan horsepower instead of a ducted air return with high static pressures and fan horsepower. A suspended ceiling with a return air plenum is also more effective in removing the heat generated by lighting, thereby reducing the air conditioning load on the space.

To aid in reducing lighting power density which lowers energy and maintenance costs, Armstrong High Light Reflectance ceilings and systems provide the same level of illuminance with fewer luminaires. This will assist in reducing lighting and HVAC energy costs up to 25% in new or existing



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| ENERGY AND ATMOSPHERE (...cont.) | building structures where a High Light Reflectance ceiling is installed along with indirect lighting. Also steps to reduce the number of fixtures and reduce the wattage of lamps should be taken. |
| Energy and Atmosphere Credit | The TechZone™ Ceiling System combines High Light Reflectance ceilings with indirect lighting which contributes to EA Credit 1. Contact TechLine for our independent study, "The Impact of Acoustical Ceilings on Workplace Environment, Energy Savings, Fire and Costs" CS-3833. |

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| MATERIAL AND RESOURCES | Intent: Divert construction, demolition and land clearing debris from landfill disposal. Redirect recyclable recovered resources back to the manufacturing process. Redirect reusable materials to appropriate sites. |
| MR Credit 2.1, 2.2 CONSTRUCTION WASTE MANAGEMENT Divert 50% & 75% from landfill | Requirement: Develop and implement a waste management plan, quantifying material diversion goals. Recycle and/or salvage at least 50% or 75% of construction, demolition and land clearing waste. Calculations can be done by weight or volume, but must be consistent throughout. Armstrong Contribution: Armstrong is the first ceiling manufacturer with a closed-loop recycling program which redirects recovered ceilings back to the manufacturing process. Please contact your Armstrong representative or our Recycling Center at 1-877-276-7876 (Option 1, 8) for more details on how this program can help you meet this requirement. More details and a recycling specification to include in your waste management plan can be found at armstrong.com/ceilings/recycling . Ceilings must be combined with other items to achieve this credit. Armstrong will provide verification of weight and plant return location for LEED submittal. |

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| MR Credit 4.1, 4.2 RECYCLED CONTENT LEED NC – Canada (7.5% - 15% post-consumer + 1/2 pre-consumer) LEED CI (10% - 20% post-consumer + 1/2 pre-consumer) (post-industrial) | Intent: Increase the demand for building products that incorporate recycled content materials, thereby reducing impacts resulting from extraction and processing of virgin materials and by-passing energy and green house gas. Requirement: Use materials with recycled content such that the sum of the post-consumer recycled content plus one-half of the post-industrial content constitutes at least (NC 7.5% or 15%) or (CI 10% - 20%) of the total value of the materials in the project. The value of the recycled content portion of a material or furnishing shall be determined by dividing the weight of recycled content in the item by the total weight of all material in the item, then multiplying the resulting percentage by the total value of the item. Mechanical and electrical components shall not be included in this calculation. Armstrong contributions: Armstrong ceiling products contain 23% – 83% recycled content. Armstrong suspension systems contain 30% recycled content – 23% post-consumer, 7% pre-consumer. For specific post-consumer/pre-consumer breakdowns, go to our tool, Green Genie® armstrong.com/greengenie or contact TechLine. The Green Genie can also supply the appropriate documentation needed for your LEED submittal packet. Depending on manufacturing location, certain products are available with a higher recycled content option. Armstrong products must be aggregated with all other recycled content materials in order to achieve this credit. Innovation credits are available for higher levels of recycled content used on LEED projects. |
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| MR Credit 5.1, 5.2 REGIONAL MATERIALS LEED NC – 10% - 20% Extracted, Processed & Manufactured Regionally | 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. Requirement: LEED NC – Use a minimum of 10% – 20% of building materials or products for which at least 80% of the mass is extracted, processed and manufactured within 800 km (500 miles) of the project site. OR, Use a minimum of 10% – 20% of building materials or products for which at least 80% of the mass is extracted, processed, and manufactured within 2400 km (1,500 miles) of the project site, and shipped by rail or water. OR, Use a minimum of 10% – 20% of building materials or products that reflect a combination of the above extraction, processing, manufacturing and shipping criteria (e.g., 5% within 800 km (500 miles) and 5% shipped by rail within 2400 km (1,500 miles)). |
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MATERIAL AND RESOURCES

MR Credit 5.1, 5.2 REGIONAL MATERIALS (...cont.)

**LEED CI – MRc 5.1:
20% Manufactured Regionally**

**LEED CI – MRc 5.2:
10% Extracted and Manufactured Regionally**

Requirement - 5.1

Use a minimum of 20% of all construction and Division 12 (Furniture) materials and products that are manufactured regionally within a radius of 800 kilometers (500 miles).

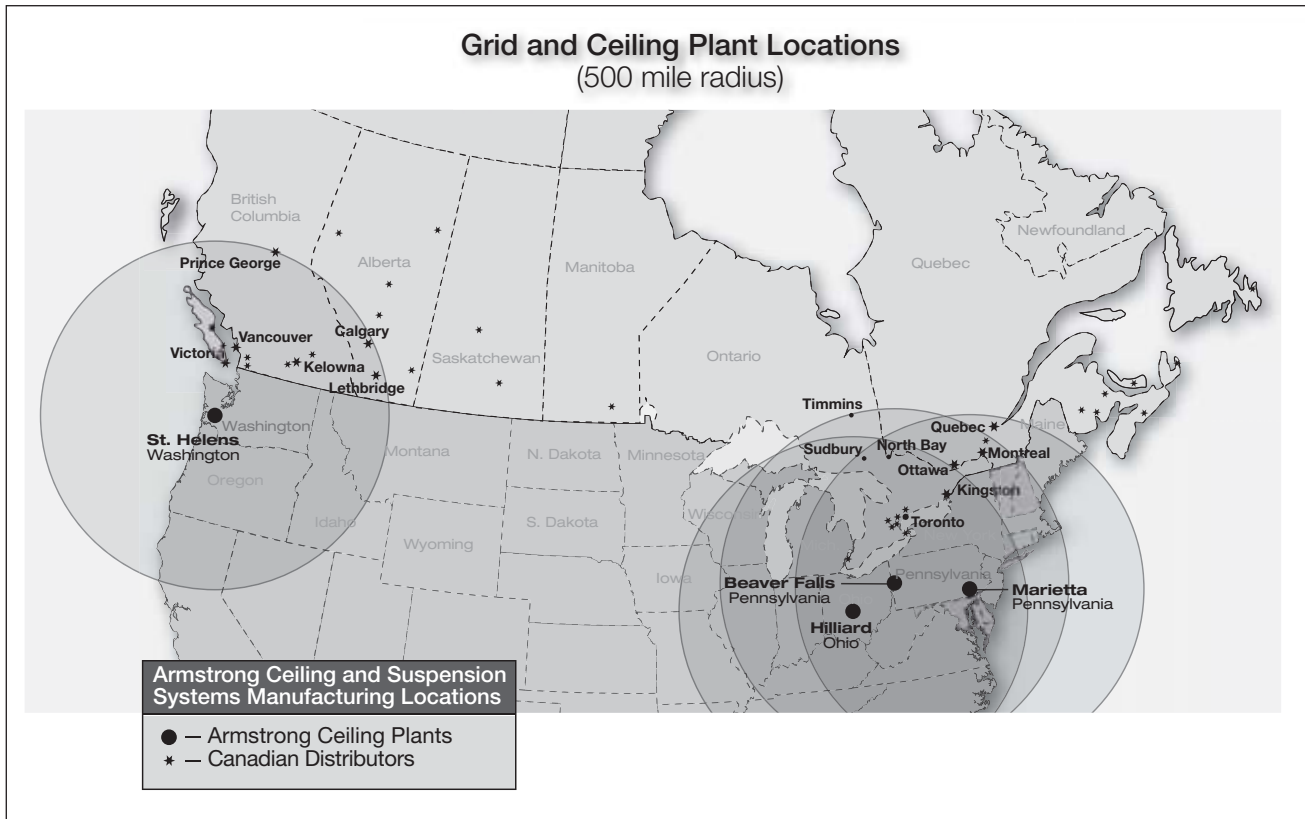
Manufacturing refers to the final assembly of components into the building product that is furnished and installed by the tradesmen.

Requirement - 5.2

Of these regionally manufactured materials, use a minimum of 50% of building materials and products that are extracted, harvested or recovered (as well as well as manufactured) within a radius of 800 km (500 miles) if transported by truck OR within a radius of 3500 km (2200 miles) if transported by rail.

Armstrong Contribution: Refer to the listing of Ceiling and Suspension plant locations and to our map showing a radius of 500 miles from all of our plants. The Green Genie tool can provide a regional materials value for each product for MR Credit 5.1, 5.2 LEED NC and MR Credit 5.2 for LEED CI. This is dependent upon the plant location where the product is produced. Go to armstrong.com/greengenie.

Armstrong Ceiling and Suspension Systems manufacturing locations:



Armstrong Ceiling Manufacturing Sites (U.S.)

- Beaver Falls, PA 15010
Mineral Fiber Ceilings
- Hilliard, OH 43026
Fiberglass Ceilings
- Macon, GA 31208
Mineral Fiber Ceilings
- Marietta, PA 17547
Mineral Fiber Ceilings
- Pensacola, FL 32505
Mineral Fiber Ceilings
- St. Helens, OR 97051
Mineral Fiber Ceilings

Armstrong Suspension Systems Manufacturing Sites (U.S.)

- Aberdeen, MD 21002
- Benton Harbor, MI 49022
- Las Vegas, NV 89031

MATERIAL AND RESOURCES (...cont.)

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**MR Credit 6.0
RAPIDLY RENEWABLE
MATERIALS**

Intent: LEED NC – Reduce the use and depletion of finite raw materials and long-cycle renewable materials by replacing them with rapidly renewable materials.

LEED CI – Reduce the use and depletion of finite raw materials and long-cycle renewable materials by replacing them with rapidly renewable materials.

Requirement: LEED NC – Use rapidly renewable building materials and products (made from plants that are typically harvested within a ten-year cycle or shorter) for 5% of the total value of all building materials and products used in the project, based on cost.

LEED 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.

Armstrong Contributions: Mineral fiber panels contain cornstarch binders, biobased alternatives to petroleum based binders.

Tierra™ ceiling panels have a natural BioAcoustic™ substrate made from plants that grow from seed to harvest in just 90 days, making Tierra 45% rapidly renewable. Tierra is also the only ceiling that's Cradle to Cradle™ - Silver certified which also can contribute to an Innovation in Design credit with other MBDC C2C certified products.

Armstrong WoodWorks® Bamboo Ceilings can contribute to the rapidly renewable calculation. Since this product is an assembly, take the rapidly renewable value of only the bamboo veneer to combine with other interior furnishings and finishes to achieve credit.

The Green Genie tool can calculate the product contribution to this credit at armstrong.com/greengenie for a sample assembly calculation.

**MR Credit 7.0
CERTIFIED WOOD**

Intent: Encourage environmentally responsible forest management.

Requirements: LEED NC – Use a minimum of 50% of wood-based materials and products, certified in accordance with the Forest Stewardship Council's (FSC) Principles and Criteria, for wood building components including, but are not limited to, structural framing and general dimensional framing, flooring, finishes, furnishings and non-rented temporary construction applications such as bracing, concrete form work and pedestrian barriers.

Requirements: LEED CI – When using new wood-based products and materials, use a minimum of 50% that are certified in accordance with the Forest Stewardship Council's Principles and Criteria. Division 12 (Furniture) material value is included in the determination of the certified wood content.

Armstrong Contribution: Armstrong WoodWorks® ceilings are available as an FSC-certified composite product. Be sure to specify when ordering. Contact TechLine for details or use the Green Genie for FSC documentation. Armstrong WoodWorks products must be aggregated with all other certified wood materials in order to achieve this credit. The Armstrong Chain of Custody number for FSC certification is SW-COC-003601. The Green Genie tool can calculate the contribution to this credit. armstrong.com/greengenie.

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| <p>INDOOR ENVIRONMENTAL QUALITY</p> <p>.....</p> <p>EQ Credit 4.1 LOW-EMITTING MATERIALS</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: The VOC content of adhesives, sealants and sealant primers used must be less than the VOC content limits of the State of California’s South Coast Air Quality Management District (SCAQMD) Rule #1168, October 2003.</p> <p>These credits pertain to adhesives & sealants, paints, carpets and composite wood.</p> <p>Armstrong Contribution: Armstrong Mineral Fiber Ceilings and Suspension Systems do not fit in any of the product categories designated in this credit. Please note, however, that many of our products do meet the State of Washington, and California Section 01 350 requirements for certification. For additional information, refer to "The Basics of Formaldehyde & Interior Spaces" CS-3550, or contact TechLine for specific product information.</p> <p>Low emitting products can be used as a possible innovation credit.</p> |
| <p>EQ Credit 4.4 LOW-EMITTING MATERIALS – Composite Wood & Agrifiber Products</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>Requirements: LEED NC – Composite wood and agrifiber products, including core materials, must contain no-added urea-formaldehyde resins. Laminate Adhesives used to fabricate on-site and shop applied assemblies containing these laminate adhesives must contain no urea-formaldehyde. Products covered by EQ Credit 4.5, Low-Emitting Materials, System Furniture and Seating shall be excluded from these requirements.</p> <p>LEED CI – Composite wood and agrifiber products, including core materials, must contain no-added urea-formaldehyde resins. Laminate adhesives used to fabricate on-site and shop-applied assemblies containing these laminate adhesives must contain no-added urea-formaldehyde. Products covered by EQ Credit 4.5, Low-Emitting Materials, System Furniture and Seating shall be excluded from these requirements.</p> <p>Armstrong Contribution: Armstrong WoodWorks ceiling products meet California Air Resources Board (CARB) phase 1 levels and are available as a no-added formaldehyde composite product to meet LEED requirements for this credit (with the exception of Constants™ veneers).</p> <p>Green Genie can supply the appropriate documentation needed for your LEED submittal packet.</p> |

Sustainability Table

| USGBC LEED Credits | Material and Resources MR 4.1 & 4.2, MR 5.1 & 5.2, MR 6 and MR 7 | | | | | | Indoor Environmental Quality EQ 4.4 | | |
|--|---|--------------------|---------------------|--|------------------------------|------------------|-------------------------------------|---------------------|-------------------|
| Armstrong Ceiling Product | Total Recycled Content | Total Pre-Consumer | Total Post-Consumer | Regional Materials* | Rapidly Renewable | Certified Wood** | No-Added Urea-Formaldehyde | Meets CARB Criteria | Fire Performance* |
| Standard and Custom WoodWorks ceilings | 92% | 92% | 0% | Verify through TechLine or Green Genie | Yes, only with Bamboo veneer | No | No | ✓† | Class A |
| Optional WoodWorks FSC/NAF | 92% | 92% | 0% | Verify through TechLine or Green Genie | Yes, only with Bamboo veneer | ✓ | ✓ | ✓ | Class A |

* If product is made within 500 miles of job.
 ** Contact TechLine for FSC certification details.
 † With the exception of Constants veneers
 • Fire Performance is Class A for COMPOSITE product.

INDOOR ENVIRONMENTAL QUALITY (...cont.)

EQ Credit 8.1, 8.2 DAYLIGHT AND VIEWS 75% to 90% of spaces

Intent: Provide the occupants with a connection between indoor spaces and the outdoors through the introduction of daylight and views into the regularly occupied areas of the building.

Requirement: LEED NC - Achieve a minimum daylight factor of 2% (excluding all direct sunlight penetration) or achieve at least 250 Lux (25 footcandles) using a computer simulation model in 75-90% of all regularly occupied areas with the aid of a computer simulation model. Exceptions for areas where tasks would be hindered by the use of daylight will be considered on their merits.

Requirement: LEED CI - For at least 75-90% of all regularly occupied areas:

Option A:

- Achieve a minimum Daylight Factor of 2% (excluding all direct sunlight penetration)

Option B:

- Using a computer simulation model, achieve at least 250 Lux (25 footcandles)
- Provide daylight redirection and/or glare control devices to ensure daylight effectiveness.

Note: For both Option A and Option B exceptions for areas where tasks would be hindered by the use of daylight will be considered on their merits.

INNOVATION IN DESIGN PROCESS

Acoustic Performance

An Innovation Credit for Acoustics can be applied for demonstrating that the acoustical performance improvements of a building clearly enhance the indoor environment in ways consistent with the preservation of human health and maximization of occupant productivity. Credits based on acoustics will be evaluated on a case-by-case basis. Contact your Armstrong representative for details on solutions to achieve a balanced acoustical design.

ENHANCED ACOUSTICAL PERFORMANCE

Here is an example of the Architectural Design Guidelines for an Open Plan office that achieved an Innovation Credit in our LEED-EB Platinum HQ building in Lancaster, PA.

An upgraded architectural and sound masking strategy was developed based on the design guideline matrix below. Design to the superior level in the matrix below to ensure that the building exceeds the standard acoustical performance levels and meets the requirements for superior performance.

Architectural Design Guidelines for Open Plan Offices
Levels of Acoustic Performance

| | Absorb | Block | Cover | Privacy |
|-----------------|--|--|---|-----------------------------|
| | Ceiling Acoustical Properties | Furniture System Height & STC | Background Noise | Speech Privacy Index |
| Superior | Articulation Class ≤ 180 | ≥ 66" STC = 25 | Use of electronic masking system delivering 48 dBA ±2 dB spatial variation | 80-95% normal |
| Better | Articulation Class <180 .60 - .70 NRC | ≤ 60" STC = 15 | Basic electronic masking system OR HVAC system reference ASHRAE RC 30-40 | 60-80% poor |
| Typical | Articulation Class – not rated .50 - .60 NRC | ≤ 54" STC = 15 | HVAC system reference ASHRAE RC 30-40 | 0-60% none |

Visit armstrong.com/acoustics to learn more about acoustical design for office, education and healthcare spaces. Preview the Speech Privacy Predictor Tool which aids in predicting the level of speech privacy based on the selection of interior finishes.

LEED Credit Summary/Sustainability

Ceilings and Wall Systems

| Product Name | Energy and Atmosphere/EQ Credit 1.1 | Material and Resources Credit 2.1 – 2.2 | Armstrong Recycling Program | Material and Resources Credit 4 | | Materials and Resources Credit 7 | Indoor Environmental Quality Credits 4.1 – 4.5 | |
|--|-------------------------------------|---|-----------------------------|-------------------------------------|----------------------------|----------------------------------|--|-------------------------------------|
| | Light Reflectance (LR) | 100% Recyclable** | | Total Recycled content ¹ | LEED RC Value ³ | FSC Wood | Daylight & View | Formaldehyde Emissions ² |
| Mineral Fiber | | | | | | | | |
| Cirrus | 0.86 | Yes | ✓ | 39-82% | 23-55 | N/A | 0.86 | No-Added |
| Cirrus High Recycled Content | 0.86 | Yes | ✓ | 66-82% | 23-55 | N/A | 0.86 | No-Added |
| Cirrus Profiles | 0.86 | Yes | ✓ | 66-82% | 34-55 | N/A | 0.86 | No-Added |
| Cirrus Second Look | 0.85 | Yes | ✓ | 71% | 37 | N/A | 0.85 | No-Added |
| Cortega | 0.82 | Yes | ✓ | 23-51% | 12-26 | N/A | 0.82 | Low/No-Added |
| Dune | 0.83 | Yes | ✓ | 32-66% | 16-34 | N/A | 0.83 | Low/No-Added |
| Dune Second Look | 0.83 | Yes | ✓ | 49-51% | 20-34 | N/A | 0.83 | Low/No-Added |
| Endura | 0.84 | Yes | ✓ | 73% | 37 | N/A | 0.84 | Low |
| Fine Fissured | 0.85 | Yes | ✓ | 38-55% | 20-28 | N/A | 0.85 | Low/No-Added |
| Fine Fissured Second Look | 0.84 | Yes | ✓ | 32-51% | 17-26 | N/A | 0.84 | Low/No-Added |
| Fissured | 0.81 | Yes | ✓ | 23-51% | 12-26 | N/A | 0.81 | Low/No-Added |
| Georgian | 0.86 | Yes | ✓ | 39-49% | 20-24 | N/A | 0.86 | Low |
| Georgian High Washability/High Acoustics | 0.86-0.88 | Yes | ✓ | 40-51% | 20-26 | N/A | 0.86-0.88 | Low/No-Added |
| Latitudes | N/A | Yes | ✓ | 68% | 35 | N/A | N/A | No-Added |
| Mesa, Mesa HRC | 0.85 | Yes | ✓ | 51-73% | 26-37 | N/A | 0.85 | Low/No-Added |
| Natural Fissured | 0.83 | Yes | ✓ | 68% | 35 | N/A | 0.83 | No-Added |
| Sanserra | N/A | Yes | ✓ | 68% | 35 | N/A | N/A | No-Added |
| School Zone Fine Fissured High NRC/CAC | 0.85 | Yes | ✓ | 50-53% | 25-27 | N/A | 0.85 | No-Added |
| School Zone Fine Fissured High Durability | 0.85 | Yes | ✓ | 38% | 19 | N/A | 0.85 | No-Added |
| Stratus | 0.74 | Yes | ✓ | 72% | 37 | N/A | 0.74 | Low |
| Terrain | 0.74 | Yes | ✓ | 68% | 35 | N/A | 0.74 | No-Added |
| Tincraft | 0.78 | Yes | ✓ | 51-52% | 26-27 | N/A | 0.78 | No-Added |
| Traces | N/A | Yes | ✓ | 68% | 35 | N/A | N/A | No-Added |
| Tundra | 0.87 | Yes | ✓ | 33-49% | 17-24 | N/A | 0.87 | Low |
| Ultima | 0.90 | Yes | ✓ | 51-80% | 26-37 | N/A | 0.90 | No-Added |
| Ultima HRC | 0.90 | Yes | ✓ | 80% | 42-47 | N/A | 0.90 | No-Added |
| Ultima Vector | 0.90 | Yes | ✓ | 70% | 38 | N/A | 0.90 | Low |
| Fiberglass | | | | | | | | |
| Optima all Categories | 0.90 | Yes | ✓ | 70-75% | 36 | N/A | 0.90 | Low |
| Painted Nubby | 0.84 | Yes** | | 35% | 22 | N/A | 0.84 | Low |
| Pebble | 0.89 | Yes** | | 35% | 22 | N/A | 0.89 | Low |
| Random Fissured | 0.72 | Yes** | | 35% | 22 | N/A | 0.72 | Low |
| Shasta | 0.72 | Yes** | | 35% | 22 | N/A | 0.72 | Low |
| SoundScapes Shapes | 0.90 | Yes | ✓ | 70-75% | 36 | N/A | 0.90 | Low |
| Special Performance | | | | | | | | |
| Armatuff | 0.87 | Yes | ✓ | 49-51% | 24-26 | N/A | 0.87 | Low |
| Ceramaguard (unperforated) | 0.88 | Yes | ✓ | 38% | 19 | N/A | 0.88 | No-Added |
| Cirrus Open Plan | 0.85 | Yes | ✓ | 73% | 37 | N/A | 0.85 | No-Added |
| Clean Room Mylar/VL and VL | 0.78-0.80 | No** | | 38-70% | 19-38 | N/A | 0.78-0.80 | Low |
| Fine Fissured Open Plan | 0.86 | Yes | ✓ | 73% | 37 | N/A | 0.86 | No-Added |
| Ultima Open Plan | 0.89 | Yes | ✓ | 70-80% | 36-41 | N/A | 0.89 | No-Added |
| Specialty Ceilings | | | | | | | | |
| Filaments | N/A | No | | 31-54% | 17-28 | N/A | N/A | Low |
| MetalWorks Concealed | 0.61-0.77 | Yes | | 25% | 13 | N/A | 0.61-0.77 | N/A |
| MetalWorks Linear | 0.61-0.77 | Yes | | 25% | 13 | N/A | 0.61-0.77 | N/A |
| MetalWorks Tegular | 0.61-0.77 | Yes | | 25% | 13 | N/A | 0.61-0.77 | N/A |
| MetalWorks Vector | 0.61-0.77 | Yes | | 25% | 13 | N/A | 0.61-0.77 | N/A |
| SoundScapes (Canopies) | 0.86 | Yes | | 66% | 39 | N/A | 0.86 | N/A |
| WoodWorks Linear | N/A | No | | 92% | 46 | Options Available | N/A | No-Added |
| WoodWorks Tegular | N/A | No | | 92% | 46 | Options Available | N/A | No-Added |
| WoodWorks Vector | N/A | No | | 92% | 46 | Options Available | N/A | No-Added |
| Suspension Systems | | | | | | | | |
| Suspension Systems - Steel | N/A | Yes | | 30% | 27 | N/A | N/A | N/A |
| Suspension Systems - Aluminum | N/A | Yes | | 50% | 25 | N/A | N/A | N/A |
| Axiom Trim | N/A | Yes | | 50% | 50 | N/A | N/A | N/A |
| Wall Systems | | | | | | | | |
| Soundsoak Standard Vinyl with Mineral Fiber Substrate | N/A | Yes | ✓ | 77% | 39 | N/A | N/A | No-Added |
| Soundsoak Standard Fabric with Mineral Fiber Substrate | N/A | Yes | ✓ | 67% | 34-37 | N/A | N/A | No-Added |
| Soundsoak Standard Fabric with Fiberglass Substrate | N/A | Yes | ✓ | 51-52% | 47-52 | N/A | N/A | Low |
| WoodWorks Ekos Walls (perforated) | N/A | Yes | ✓ | 67% | 34 | N/A | N/A | No-Added |
| WoodWorks Ekos Walls (unperforated) | N/A | Yes | ✓ | 67% | 34 | N/A | N/A | No-Added |
| Custom Soundsoak | N/A | Yes | | 72% | 36 | N/A | N/A | Low |

armstrong.com/environmental

armstrong.com/greengenie



¹ Recycled content is based on board composition. Recycled content percentage is based on 2008 production. Ranges reflect variation by plant location. For specific post-consumer and pre-consumer recycled content % breakdown for a project, go to armstrong.com/greengenie. Armstrong adheres to the FTC guidelines for recycled content. Higher levels of recycled content are available through our Specials Process for many of our ceiling products. Please contact your Armstrong representative for more details.

² Formaldehyde Emissions/CHPS as tested per California Special Environmental Requirements, Specifications Section 01350. For further detail on emissions, please refer to our brochure "The Basics of Formaldehyde and Interior Spaces - What You Need to Know." Check for specific item numbers that qualify.

³ LEED Value (Based on MRc4 calculation) For specific information, go to armstrong.com/greengenie.

⁴ MRc5 is location dependent. Verify at armstrong.com/greengenie.

⁵ MRc6 verify content at armstrong.com/greengenie.

** Based on product meeting recycling requirements. Call your Armstrong representative.

