

# LEED® 2009 OVERVIEW



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

| Credit                 | LEED® Credit                                   | Points | Armstrong Ceilings Contribution  |
|------------------------|--|--------|--|
| MRc2                   | <b>Construction Waste Management</b>           | 1-2    | Add the <a href="#">Armstrong Ceiling Recycling Program</a> 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.<br><br>This recycling program contributes to meet 50% and 75% diversion goals.  |
| MRc4                   | <b>Recycled Content</b>                        | 1-2    | All Armstrong ceilings contribute to this credit. Calculate the Post-Consumer (100%) and Pre-Consumer (1/2 value). Use Armstrong LEED® Calculator to obtain item recycled content values by item and project location.   |
| MRc5                   | <b>Regional Materials</b>                      | 1-2    | <b>MRc5, Option 1:</b> Ceilings contribute if manufactured in a radius of 500 miles.<br><b>MRc5, Option 2:</b> Additional contribution to second point if extracted, harvested and manufactured within 500 miles.  |
| MRc6                   | <b>Rapidly Renewable Materials</b>             | 1-2    | Armstrong mineral fiber ceilings and Optima® fiberglass (plant-based – PB) contain biobased binders as alternatives to petroleum based binders, contributing to rapidly renewable content.<br><br>Armstrong WoodWorks® Bamboo Ceilings can also contribute to the rapidly-renewable calculation. Obtain percent of rapidly-renewable content per item from the <a href="#">Armstrong LEED Calculator</a> . |
| MRc7                   | <b>Certified Wood</b>                          | 1      | Armstrong offers standard and custom Forest Stewardship Council (FSC) certified composite wood ceilings with a variety of veneers.<br>Note: Entire chain of custody needs to meet FSC.   |
| EQc4.4<br>EQc4-Schools | <b>Low Emitting Materials – Composite Wood</b> | 1      | <b>EQc4. 4:</b> Armstrong offers Woodworks items that contain ULEF ultra low formaldehyde and are CARB compliant.<br><br><b>EQc4 Schools – Option 4.6:</b> All Armstrong mineral fiber ceilings and Optima fiberglass (plant based-PB) ceilings <u>meet CDPH standard v.1.1 2010 and have VOC Certificates of Compliance.</u>  |

| Credit       | LEED Credit                            | Points | Armstrong Ceilings Contribution  |
|--------------|--|--------|--|
| EQc8.1       | <b>Daylight and Views – Daylight</b>   | 1-2    | <b>EQc8.1, Option 1:</b> Armstrong high light-reflectant ceilings (LR of .83 or higher) can aid in extending daylighting into the space; reflecting the light striking the surface.  |
| Schools EQp3 | <b>Minimum Acoustical Performance</b>  | 1      | Design the classroom to reduce reverberation time. Armstrong ceilings, with an NRC of 0.70 or higher, can contribute to reduction in reverb time. Visit the Armstrong Total Acoustics™ site at <a href="http://armstrongceilings.com">armstrongceilings.com</a> .  |
| Schools EQc9 | <b>Enhanced Acoustical Performance</b> | 1      | Specific Armstrong ceiling and wall systems are designed to meet the requirements of the ANSI Standard S12.60-2002, “Acoustical Performance Criteria, Design Requirements and Guidelines for Schools for STC and reverberation reduction.  |
| ID Credits   | <b>Innovation Credits</b>              | 1      | 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. Armstrong acoustical ceilings have successfully contributed to Innovation Credits in the area of Acoustics. Visit the <a href="#">Armstrong Acoustic Sound Design mini-site</a> . Reference LEEDv4 Acoustical Performance credit. |