

# TECTUM® 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  |
|--|------------------------|--|-----------------------------|--|
| <b>Recycling Program</b>   | MR Prereq<br>MR Credit | <b>Construction Waste Management</b><br>Now a Prerequisite – ID at least 5 materials | MRp2 Required<br>MRc6 1-2   | <b>MRp2:</b> Add <u>Tectum® Products</u> to Waste Management plan to increase diversion %. Tectum products qualify as 1 nonstructural material.<br><b>MRc6, Option 1:</b> Tectum products are biodegradable and can be upcycled into soil amendment.<br><b>MRc6, Option 2: Reduction in Total Waste:</b> Tectum products are manufactured and cut to size at the factory, reducing or eliminating field cuts and waste at the site. Tectum products are shipped without the need for boxing and minimal if any crating, reducing packaging for minimal site waste. |
| <b>Regional Materials</b>  | MR Credits             | <b>Regional Materials</b><br>(Extracted, manufactured and purchased w/ in 100 miles) | 200% base contributing cost | ARMSTRONG CEILING MANUFACTURING LOCATIONS<br>Tectum products contribute if manufactured in a radius of 500 miles. Tectum products are manufactured in Newark, OH.<br>Extraction locations. Obtain % by raw material in the Armstrong Ceilings LEED Calculator.<br>Use <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.   |
| <b>Life Cycle Impacts &amp; Environmental Product Declarations</b> | MR Credit              | <b>Building Life Cycle Reduction Interiors Life Cycle Impact Reduction</b>           | BD&C – 3<br>ID&C – 1-3      | ARMSTRONG® PRODUCT EPDs<br><b>BD&amp;C, Option 4:</b> Provide EPD or Embodied Energy (EE) for Whole Building LCA calculations.<br><b>ID&amp;C, Option 1:</b> Reuse of nonstructural elements – Tectum panels are very durable and can be repurposed on a project.<br><b>Option 3: Design for Flexibility</b> – Tectum products can be mechanically attached for ease of removal.   |
| <b>Life Cycle Impacts &amp; Environmental Product Declarations</b> | MR Credit              | <b>Building Disclosure and Optimization – Environmental Product Declaration</b>      | BD&C – 1<br>ID&C – 1-2      | ARMSTRONG® PRODUCT EPDs<br><b>Option 1:</b> Tectum Third Party Certified, TYPE III EPDs;<br><a href="http://www.armstrongceilings.com/epd/tectum">www.armstrongceilings.com/epd/tectum</a> .   |

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|---|-----------|---|--------------------------|--|
| <b>Corporate Sustainability and Raw Material Sourcing</b> | MR Credit | <b>Building Disclosure and Optimization – Sourcing of Raw Materials</b> | BD&C – 1-2<br>ID&C – 1-2 | <p>ARMSTRONG COMMITMENT TO SUSTAINABILITY<br/> <b>Option 1:</b> Armstrong self-declared sustainability report (1/2 value)<br/> <a href="http://www.armstrongceilings.com/sustainability">www.armstrongceilings.com/sustainability</a></p> <p>ARMSTRONG® BIOBASED PRODUCTS<br/> <b>Option 2:</b> Leadership Extraction Practices: Tectum products contribute to these areas: Biobased content; Certified Wood Tectum products are made from Wisconsin aspen wood fibers, harvested by Johnson Timber Corporation and shredded by American Excelsior Company. 44% of Tectum panels are wood excelsior and are considered FSC® Mix Credit.</p> <p>Tectum Inc. Chain-of-Custody #: RA-COC-007078<br/> American Excelsior Chain-of-Custody #: RA-COC-007186<br/> Johnson Timber Chain-of-Custody #: SW-COC-002249</p> |
| <b>Material Ingredient Disclosure</b>                     | MR Credit | <b>Building Disclosure and Optimization – Material Ingredients</b>      | BD&C – 1-2<br>ID&C – 1-2 | <p>HEALTH PRODUCT DECLARATIONS &amp; DECLARE™<br/> <b>Option 1, Material Ingredient Reporting:</b> Tectum Health Product Declaration or Declare label qualifies for Mfr Inventory (1 Pt)</p>   |
| <b>VOC Emissions</b>                                      | EQc       | <b>Low Emitting Materials</b>   | BD&C – 1-3<br>ID&C – 1-3 | <p>ARMSTRONG® LOW OR NO-ADDED FORMALDEHYDE CEILINGS<br/> Tectum products meet <u>General Emissions evaluation per the CDPH standard</u>; v1.1 2010<br/> Tectum meets requirements for no added urea formaldehyde.</p>  |
| <b>Acoustics</b>  | EQc       | <b>Acoustic Performance (now all Rating Systems)</b>                    | BD&C – 2<br>ID&C – 2     | <p>ARMSTRONG® ACOUSTIC CEILINGS &amp; WALLS<br/> <b>Sound Transmission</b> – Tectum® panels are an acoustical product.<br/> <b>Reverberation time</b> – Tectum® panels contribute to reduction in reverb time by adding absorption.<br/> Schools must meet ANSI Std. S12-60.</p>   |

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