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LEED® CALCULATOR  
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# TECTUM® 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

Theme	Credit	LEED 2009 Credit	Points	Armstrong Ceilings Contribution
Recycling Program	MRC2	<b>Construction Waste Management</b> Now a Prerequisite – ID at least 5 materials	1-2 pts	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.  Tectum products are biodegradable and can be ground up for soil amendment, eliminating landfill needs.
Regional Materials	MRC5	<b>Regional Materials</b> (Extracted, manufactured and purchased w/ in 100 miles)	1-2 pts	ARMSTRONG MANUFACTURING LOCATIONS <b>Option 1:</b> Tectum products contribute if manufactured in a radius of 500 miles. Tectum products are manufactured in Newark, OH. <b>Option 2:</b> Additional contribution to 2nd point if extracted, harvested and manufactured within 500 miles. Obtain % contribution by raw material in the <a href="#">Armstrong Ceilings LEED Calculator</a> .
Rapidly Renewable	MRC6	<b>Rapidly Renewable Materials</b>	1-2 pts	Tectum Products contain 44 percent, by weight, Trembling Aspen (Populus Tremuloides) wood fiber. The growth time for Populus Tremuloides is 10-15 years, for pulping and stranding. Populus Tremuloides reproduces by “suckering” of stumpage after clear cutting. No planting is required. Saplings sucker within a few months after cutting, with new forest stands forming within 2-5 years. Typical growth is 5-7 feet per year for the first 3-5 years.  Obtain % calculation from <a href="#">Armstrong Ceilings LEED Calculator</a> .
Forest Stewardship Council (FSC®)	MRC7	<b>Certified Wood</b>	1 pt	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.  Tectum Inc. Chain-of-Custody #: RA-COC-007078 American Excelsior Chain-of-Custody #: RA-COC-007186 Johnson Timber Chain-of-Custody #: SW-COC-002249
Low Emissions	EQc4.4 EQc4-Schools	<b>Low Emitting Materials – Composite Wood</b>	1 pt	<b>EQc4.4:</b> Tectum products contain no added urea formaldehyde resins. <b>EQc4.6 Schools:</b> Tectum products meet the requirements of the CDPH standard for emissions.

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<b>Acoustics</b>	Schools EQp3 EQc9	<b>Minimum Acoustical Performance</b>  <b>Enhanced Acoustical Performance</b>	1 pt	<b>EQp3 – Minimum Acoustical Performance:</b> (LEED For Schools) Tectum® products are manufactured primarily as an acoustical product. Tectum products apply directly to this strategy by providing abuse-resistant acoustical solutions. Tectum products can be field painted up to six times without degrading acoustical performance, offering a life-of-the-building service life, low maintenance acoustical solution.  <b>EQc9 – Enhanced Acoustical Performance:</b> Design classrooms to meet ANSI S-12.60 for STC and reverberation reduction.
<b>Indoor Air Quality</b>	EQc10 Schools	<b>Mold Prevention</b>	1 pt	Tectum products do not support the growth of mold or bacteria.  Tested per ASTM D3273, three Tectum product samples scored a 10, 9 & 9 out of a possible 10. Tectum products are available with an anti-microbial paint if desired.
<b>Maintenance</b>	Innovation Credit	<b>Low Impact Cleaning &amp; Maintenance Policy</b>	1 pt	Tectum products contribute favorably to this strategy as they are extremely abuse-resistant and intended for life-of-the-building service. Tectum products can be cleaned using a vacuum cleaner or a broom and do not require special cleaning supplies.

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