

Bodcell™

LEED APPLICATIONS

Tree Root Protection



LEED Credit Description	Bodcell™ Applications
<p>SS Credit 5.1: Protect/Restore Habitat [1 cr.] <i>Conserve existing natural areas and restore damaged areas to provide habitat and promote biodiversity.</i></p>	<p>Protect existing soil & tree roots from compaction during construction. Use to Develop designated paths for reduced wildlife disturbance.</p>
<p>SS Credit 5.2: Maximize Open Space [1 cr.] <i>Provide a high ratio of open space to development footprint to promote biodiversity.</i></p>	<p>Use Bodcell™ for slope protection and earth reinforcement to stabilize steep slopes using vegetative cover.</p>
<p>SS Credit 6.1: Stormwater Quantity [1 cr.] <i>Limit disruption of natural water hydrology by reducing impervious cover, increasing on-site infiltration, reducing or eliminating pollution from stormwater runoff, and eliminating contaminants</i></p>	<p>Bodcell™ reduces peak discharge rates by infiltrating stormwater on site. Through direct infiltration, Bodcell™ can be used for short and longterm storage in the construction profile. Bodcell™ replaces existing impervious surfaces to decrease the volume of stormwater run-off.</p>
<p>SS Credit 6.2: Stormwater Quality [1 cr.] <i>Limit disruption and pollution of natural water flows by managing stormwater runoff.</i></p>	<p>Bodcell™ reduces impervious cover, promotes infiltration and filters stormwater pollutants. With a permeable substrate, Bodcell™ will capture & convey water to a below ground storage chamber or an acceptable surface structure.</p>
<p>SS Credit 7.1-7.2: Heat Island Effect [2 cr.] <i>Reduce heat islands (thermal gradient differences between developed and undeveloped areas) to minimize impact on microclimate and human and wildlife habitat.</i></p>	<p>Bodcell™ can be filled using hardscape material with an SRI² of at least 29.</p>
<p>WE Credit 1.1-1.2: Water Efficient [4 cr.] <i>Limit or eliminate the use of potable water, or other natural surface or subsurface water resources available on or near the project site, for irrigation.</i></p>	<p>The permeable surface can capture and redirect stormwater to above and below ground holding structures for irrigation use or infiltrate stormwater directly into the substrate for plant root availability. Use Bodcell in greenroof applications to stabilize soil for plant growth.</p>
<p>EA Credit 1.1-1.5: Optimize Energy [4 cr.] <i>Achieve increasing levels of energy performance above the baseline in the prerequisite standard to reduce environmental and economic impacts associated with excessive energy use.</i></p>	<p>Use Bodcell™ on south side of building to reduce solar reflection and heat gain from adjacent roads, parking lots, or pedestrian areas.</p>