

BodPave™85

## LEED APPLICATIONS

### Gravel & Grassed Surfaces



#### LEED Credit Description

#### BodPave™85 Applications

##### SS Credit 5.1: Protect/Restore Habitat [1 cr.]

*Conserve existing natural areas and restore damaged areas to provide habitat and promote biodiversity.*

Pervious Surface : Option 1 : Limit Disturbance to 25ft. beyond permeable surfaces, gaining additional work space during construction.

##### SS Credit 5.2: Maximize Open Space [1 cr.]

*Provide a high ratio of open space to development footprint to promote biodiversity.*

Develop functional parking structures and pedestrian paths that have vegetated surfaces to maximize open space.

##### SS Credit 6.1: Stormwater Quantity [1 cr.]

*Limit disruption of natural water hydrology by reducing impervious cover, increasing on-site infiltration, reducing or eliminating pollution from stormwater runoff, and eliminating contaminants*

Reduces peak discharge rates with on-site infiltration. BodPave™85 can be used for short and long-term storage in the construction profile. Replaces existing impervious surfaces to decrease the volume of stormwater runoff. Slow horizontal migration and surface velocity.

##### SS Credit 6.2: Stormwater Quality [1 cr.]

*Limit disruption and pollution of natural water flows by managing stormwater runoff.*

Reduces impervious cover, promotes infiltration, captures and treats stormwater. With a permeable substrate, BodPave™85 will capture & convey water to an acceptable storage structure. Use to stabilize bioswales for stormwater capture, conveyance, and treatment.

##### SS Credit 7.1-7.2: Heat Island Effect [2 cr.]

*Reduce heat islands (thermal gradient differences between developed and undeveloped areas) to minimize impact on microclimate and human and wildlife habitat.*

BodPave™85 is a 92% permeable open-grid paving system that can be filled using hardscape material or vegetation with an SRI<sup>2</sup> of at least 29. Use BodPave™85 Grass Surface in green roof applications.

##### WE Credit 1.1-1.2: Water Efficient [4 cr.]

*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.*

BodPave™85 has specially designed holding cells to reduce the amount of water needed to irrigate the grassed surface in comparison to other open-cell paving systems. The permeable surface can capture and redirect stormwater to above and below ground holding structures for future use.

##### EA Credit 1.1-1.5: Optimize Energy [4 cr.]

*Achieve increasing levels of energy performance above the baseline in the prerequisite standard to reduce environmental and economic impacts associated with excessive energy use.*

Use on south side of building to reduce solar reflection and heat gain from adjacent roads, parking lots, or pedestrian areas. BodPave™85 Grass Surface can be used in greenroof applications to cool roof through evapotranspiration.

##### MR Credit 4.1-4.2: Recycled Content [2 cr.]

*Increase demand for building products that incorporate recycled content materials, thereby reducing impacts resulting from extraction and processing of virgin materials.*

BodPave™85 is composed of 100% post-consumer recycled High-Density Polyethylene (HDPE).

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