

USGBC Unrolls New LEED Version 3
– How Each Credit Applies to ISI Products

MPR = Minimum Project Requirements
WE = Water Efficiency

SS = Sustainable Sites
MR = Materials and Resources

- MPR #1: Must Comply with Environmental Laws – Grasspave2, Gravelpave2, Rainstore3, and/or Slopetame2 can help each site comply with NPDES Phase II, an Environmental Law addressing the reduction of NPS Pollution in Stormwater among other things.
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- SS Credit 5.1: Site Development – Protect or Restore Habitat (1 Point): To conserve existing natural areas and restore damaged areas to provide habitat and promote biodiversity.
 - Case 1:
 - Use of Grasspave2, Gravelpave2 or Rainstore3 with permeable cover extends the boundary of site disturbance from 10 feet to 25 feet, allowing for more room to work during construction.
 - Use of Beachrings2 anywhere on site would not classify as site disturbance. Great for use as walkway or ADA accessible surface.
 - Case 2:
 - Installing Grasspave2, Slopetame2, or Rainstore3 in areas previously developed with asphalt or concrete, and seeding over these areas with native plants, would contribute to the percent of area restored.
 - If the site were earning SS Credit 2: Development Density and Community Connectivity, using Draincore2 and/or Grasspave2 in a vegetated roof seeded with native plants would contribute to the percent of area restored.
- SS Credit 5.2: Site Development – Maximize Open Space (1 Point): To promote biodiversity by providing a high ratio of open space to development footprint.
 - For All 3 Cases:
 - Use of Grasspave2 and Slopetame2 will increase the vegetated open space necessary to achieve this credit.
 - If a site also earns SS Credit 2, use of Draincore2 and/or Grasspave2 on a vegetated roof will count toward the vegetated area requirement of this credit.
- SS Credit 6.1: Stormwater Design – Quantity Control (1 Point): To limit disruption of natural hydrology by reducing impervious cover, increasing on-site infiltration, reducing or eliminating pollution from stormwater runoff and eliminating contaminants.
 - All Cases:
 - Use of Grasspave2 and Gravelpave2 minimizes impervious surfaces and increases infiltration.

- Use of **Rainstore3**, when installed with an impermeable liner, allows for short or long-term underground water storage for non-potable uses.
 - Use of **Rainstore3**, when installed with a non-woven geotextile, increases infiltration and groundwater recharge.
 - **Draincore2** and/or **Grasspave2** on a vegetated roof will minimize impervious surface area.
 - Use of **Slopetame2** will protect stream channel from excessive erosion.

 - SS Credit 6.2: Stormwater Design – Quality Control (1 Point): To limit disruption and pollution of natural water flows by managing stormwater runoff.
 - All Cases:
 - Use of **Grasspave2** and **Gravelpave2** minimizes impervious surfaces, increasing infiltration, and reducing pollutant loads.
 - Use of **Rainstore3**, when installed with an impermeable liner, allows for short or long-term underground water storage for non-potable uses.
 - Use of **Rainstore3**, when installed with a non-woven geotextile, increases infiltration and groundwater recharge.
 - **Draincore2** and/or **Grasspave2** on a vegetated roof will minimize impervious surface area.
 - Use of **Slopetame2** can be used in vegetated swales to reduce imperviousness and promote infiltration and thereby reduce pollutant load.

 - SS Credit 7.1: Heat Island Effect – Nonroof (1 Point): To reduce heat islands to minimize impacts on microclimates and human and wildlife habitats.
 - Option 1:
 - Use of **Grasspave2** will qualify as “open grid pavements system” and can be computed toward area calculation
 - Use of **Gravelpave2** will qualify when filled with gravel material with an SRI of at least 29
 - Option 2:
 - **Draincore2** and/or **Grasspave2** can be used on a vegetated roof to cover a parking area to reduce heat absorption.

 - SS Credit 7.2: Heat Island Effect – Roof (1 Point): To reduce head islands to minimize impacts on microclimates and human and wildlife habitat.
 - Option 2 and 3:
 - **Draincore2** and/or **Grasspave2** can be used on a vegetated roof to reduce heat absorption.
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- WE Prerequisite 1: Water Use Reduction (REQUIRED): To increase water efficiency within buildings to reduce the burden on municipal water supply and wastewater systems.

- Use of [Rainstore3](#), when installed with an impermeable liner, allows for short or long-term underground water storage for non-potable water sewage conveyance.
- WE Credit 1: Water Efficient Landscaping (2-4 Points): To limit or eliminate the use of potable water or other natural surface or subsurface water resources available on or near the project site for landscape irrigation.
 - For Both Options: Option 1. Reduce by 50% (2 Points) or Option 2. No Potable Water Use or Irrigation (4 Points)
 - Use of [Rainstore3](#), when installed with an impermeable liner, allows for short or long-term underground water storage for irrigation use.
 - [Draincore2](#) and/or [Grasspave2](#) can be used on a vegetated roof to collect stormwater and convey it to [Rainstore3](#) to store for irrigation use.
- WE Credit 2: Innovative Wastewater Technologies (2 Points): To reduce wastewater generation and potable water demand while increasing the local aquifer recharge.
 - Option 1:
 - Use of [Rainstore3](#), when installed with an impermeable liner, allows for short or long-term underground water storage for non-potable water sewage conveyance.
- WE Credit 3: Water Use Reduction: To further increase water efficiency within buildings to reduce the burden on municipal water supply and wastewater systems.
 - Use of [Rainstore3](#), when installed with an impermeable liner, allows for short or long-term underground water storage for non-potable water sewage conveyance.

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- MR Credit 4: Recycled Content (1-2 Points): To increase demand for building products that incorporate recycled content materials, thereby reducing impacts resulting from extraction and processing of virgin materials.
 - [Rainstore3](#) counts as 100% POSTconsumer Recycled Material
 - [Grasspave2](#), [Gravelpave2](#), [Slopetame2](#), and [Draincore2](#) count as 100% PREconsumer Recycled Material
- MR Credit 5: Regional Materials (1-2 Points): To increase demand for building materials and products that are extracted and manufactured within the region, thereby supporting the use of indigenous resources and reducing the environmental impacts resulting from transportation.
 - All products: [Grasspave2](#), [Gravelpave2](#), [Slopetame2](#), [Draincore2](#), [Rainstore3](#), and [Beachrings2](#) can qualify as long as the project is within 500 miles of Aurora, CO