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

MPR = Minimum Project Requirements  SS = Sustainable Sites
WE = Water Efficiency  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.

• 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.
  o 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.
  o 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 on 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.
  o 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.
  o 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 heat 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.

- 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.
  o 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.
  o 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.
  o Use of Rainstore3, when installed with an impermeable liner, allows for short or long-term underground water storage for non-potable water sewage conveyance.

• 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.
  o Rainstore3 counts as 100% POSTconsumer Recycled Material
  o 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.
  o All products: Grasspave2, Gravelpave2, Slopetame2, Draincore2, Rainstore3, and Beachings2 can qualify as long as the project is within 500 miles of Aurora, CO