

USGBC New LEED Version 3

AirPave grass paving system

MPR = Minimum Project Requirements

WE = Water Efficiency

SS = Sustainable Sites

MR = Materials and Resources

AirPave

MPR #1: Must Comply with Environmental Laws – use of AirPave can help a site comply with NPDES Phase 2 regulations regarding the amount of stormwater allowed off site post-development.

- o The porous pavement will allow a greater percentage of water to infiltrate on-site reducing the calculated post-development flow rate.

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 AirPave extends the boundary of allowable site disturbance from 10 feet to 25 feet, allowing for more room to work during construction.
- o Case 2:
 - Installing AirPave in areas previously developed with asphalt or concrete, and seeding with native plants, would contribute to the percent of area restored.
 - Installing AirPave on a vegetated roof and seeding it with native plants would contribute to the percent area restored if the site were also earning SS Credit 2: Development Density and Community Connectivity.

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:
 - Using AirPave as a parking area, fire lane, grass drive, or similar will count toward the vegetated open space necessary to achieve this credit.
 - Installing AirPave on a vegetated roof would contribute to the percent area vegetated if the site were also earning SS Credit 2: Development Density and Community Connectivity.

continued

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:

- Using AirPave as a parking area, fire lane, grass drive, or similar will minimize the impervious surface on-site and increase infiltration.

- Using AirDrain on a vegetated roof will minimize impervious surface on-site.

SS Credit 6.2: Stormwater Design – Quality Control (1 Point): To limit disruption and pollution of natural water flows by managing stormwater runoff.

o All Cases:

- Using AirPave minimizes impervious surfaces, increases infiltration, and reduces pollutant loads.

- Using AirDrain on a vegetated roof will minimize impervious surface on-site.

SS Credit 7.1: Heat Island Effect – Nonroof (1 Point): To reduce heat islands to minimize impacts on microclimates and human and wildlife habitats.

o Option 1:

- Use of AirPave will qualify as “open grid pavements system” and can be computed toward area calculation

o Option 2:

- AirDrain 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.

o Option 2 and 3:

- AirDrain can be used on a vegetated roof to reduce heat absorption.

continued

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)

- AirDrain can be used on a vegetated roof to collect stormwater and convey it to AirDrain or similar device to store for irrigation use.

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.

- AirPave counts as 100% Post Manufactured Content

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.

- AirPave/AirDrain can qualify if the project is within 500 miles of Jacksonville, Tx.