

# “WaterWay”

## Rainscreen Drainage Mats:

### LEED & WaterWay Rainscreen Products: Rating System

The LEED Rating System is the standard for establishing what is considered a “green building”. No product is technically “LEED certified”, but combinations of a number of environmentally responsible building products and building design strategies achieve the points toward a building becoming LEED certified. The new recycled content within WaterWay Rainscreen products, as well as other WaterWay Engineered products can be used to qualify for LEED points in a number of different categories.

WaterWay Building Products can help contribute an amazing **19 LEED** points in buildings and sites designed to be sustainable.

### Sustainable Sites

#### **Erosion & Sedimentation Control (Prerequisite)**

- Prevent loss of soil during construction by stormwater runoff and/or wind erosion, including protecting topsoil by stockpiling for reuse.
- Prevent sedimentation of storm sewer or receiving streams.
- Prevent polluting the air with dust and particulate matter.
- A number of WaterWay products can be used to achieve this required prerequisite.

#### **Site Selection 1**

##### **(1 point)**

- Reduce the environmental impact by minimizing site disruption.
- WaterWay products can be :
  - Used to create steeper slopes
  - Used with site retaining walls that help minimize the amount of disturbed land area.

#### **Reduced Site Disturbance: Protect/Restore Open Space 5.1**

##### **(1 point)**

- Similar goals of reducing earthwork and clearing of vegetation around the building, parking and roadways.
- WaterWay mats can help achieve this as well.

#### **Stormwater Management: Rate & Quantity 6.1**

##### **(1 point)**

- Requires designs to either :
  - Reduce the amount of impervious surface
  - Reduce the rate and quantity of stormwater runoff
- WaterWay mats can help achieve this objective.
- Green roofs with WaterWay materials incorporated for drain layers and root reinforcement mats:
  - Reduce amount of impervious surface
  - Reduce amount of runoff water

### **Stormwater Management: Treatment 6.2**

#### **(1 point)**

- Designing stormwater treatment systems to remove suspended solids & phosphorus.
- WaterWay products are used to stabilize soils and reinforce vegetation in vegetated filter strips, channels, and bioswales.

### **Heat Island Effect: Non-Roof 7.1**

#### **(1 point)**

- Place parking below grade in order to have less heat generated by open parking areas
- Below grade parking structures need WaterWay subsurface drainage

### **Heat Island Effect: Roof 7.2**

#### **(1 point)**

- Use alternate roofing types to reduce heat absorption by buildings
- WaterWay Mats can be used to build green roofs.
- Installing a vegetated roof for 50% of the total roof area will provide 1 point

## Energy & Atmosphere:

### **Minimum Energy Performance (Prerequisite 2)**

- Design building to comply with ASHRAE/IESMA Standard 90.1-1999 (Energy Code)
- WaterWay Mats in the building envelope reduce heating and cooling loads
- Use of vegetated roofs can also reduce heating and cooling loads
- WaterWay Mats can be used to create a green roof.

### **Optimize Energy Performance 1**

#### **( 1-10 points)**

- Design building to go beyond ASHRAE/IESMA Standard 90.1-1999 (Energy Code)
- WaterWay Mats in the building envelope to reduce heating and cooling loads
- Use of vegetated roofs to reduce heating and cooling loads
- WaterWay Mats can be used to create a green roof.

### **Recycled Content 5% 4.1**

#### **(1 point)**

- Materials used in the building must have the sum of post-consumer recycled content and ½ of the post-industrial recycled content equal to 5% of the total building material
- Many WaterWay products (#9714A for example) have a core which is made of 40% post industrial recycled content polypropylene
- Use of other WaterWay products containing recycled materials

### **Recycled Content 10% 4.2**

#### **(1 point)**

- Materials used in the building must have the sum of post-consumer recycled content and ½ of the post-industrial recycled content equal to 10% of the total building material
- Many WaterWay products (#9714A for example) have a core which is made of 40% post industrial recycled content polypropylene
- Use of other new WaterWay products using recycled material

### **Regional Materials: 20% manufactured regionally 5.1**

#### **(1 point)**

- Materials manufactured within 500 miles of the project site
- Any WaterWay product used within 500 miles of Enka, North Carolina or Mayfield Heights, Ohio