



## LEED CERTIFICATION INFORMATION

### **What is LEED certification?**

In the United States, Canada and in a number of other countries around the world, LEED certification is the recognized standard for measuring building sustainability. Achieving LEED certification is the best way for you to demonstrate that your building project is truly "green."

The LEED green building rating system -- developed and administered by nonprofit coalition of building industry leaders -- is designed to promote design and construction practices that increase profitability while reducing the negative environmental impacts of buildings and improving occupant health and well-being.

## HOW **NEXXFIELD** CAN CONTRIBUTE TO HELP YOU TO GET LEED POINTS?

### **Water Efficiency**

*WE Credit 1.1: Water efficient landscaping; Reduce by 50%*

#### **Intent**

Eliminate the use of potable water, or other natural surface or subsurface water resources available on or near the project site, for landscape irrigation.

#### **Requirements**

Achieve WE Credit 1.1.and:

Use only captured rainwater, recycled wastewater, recycled grey water, or water treated and conveyed by a public agency specifically for non-potable uses for irrigation.

*Note: Nexxdrain system can contribute to capture rainwater via the Nexxpad*

*WE Credit 1.2: Water Efficient landscape: no Potable water use or no irrigation*

#### **Intent**

Eliminate the use of potable water, or other natural surface or subsurface water resources available on or near the project site, for landscape irrigation.

#### **Requirements**

Use only captured rainwater, recycled wastewater, recycled grey water, or water treated and conveyed by a public agency specifically for non-potable uses for irrigation.

*Note: Nexxdrain system can contribute to capture rainwater via the Nexxpad.*

*WE Credit 3.1: Water Use Reduction: 20% Reduction - 1 Point*

**Intent**

Maximize water efficiency within buildings to reduce the burden on municipal water supply and waste water systems.

**Requirements**

Employ strategies that in aggregate use 20% less water than the water use baseline calculated for the building (not including irrigation) after meeting the Energy Policy Act of 1992 fixture performance requirements. Calculations are based on estimated occupant usage and shall include only the following fixtures (as applicable to the building): water closets, urinals, lavatory faucets, showers and kitchen sinks.

**Potential Technologies & Strategies**

Use high-efficiency fixtures, dry fixtures such as composting toilet systems and non-water using urinals, and occupant sensors to reduce the potable water demand. Consider reuse of storm water and grey water for non-potable applications such as toilet and urinal flushing and custodial uses.

*Note: Nexxdrain system can contribute to capture rainwater and reuse storm water via the Nexxpad.*

*WE Credit 3.2: Water Use Reduction: 30% Reduction - 1 Point in addition to Credit 3.1*

**Intent**

Maximize water efficiency within buildings to reduce the burden on municipal water supply and wastewater systems.

**Requirements**

Employ strategies that in aggregate use 20% less water than the water use baseline calculated for the building (not including irrigation) after meeting the Energy Policy Act of 1992 fixture performance requirements. Calculations are based on estimated occupant usage and shall include only the following fixtures (as applicable to the building): water closets, urinals, lavatory faucets, showers and kitchen sinks.

**Potential Technologies & Strategies**

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*Note: Nexxdrain system can contribute to capture rainwater and reuse storm water via the Nexxpad.*

**Materials & Resources**

*MR Credit 5.1: Regional Materials: 10% Extracted, Processed & Manufactured Regionally - 1 Point*

**Intent**

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.

### **Requirements**

Use building materials or products that have been extracted, harvested or recovered, as well as manufactured, within 500 miles of the project site for a minimum of 10% (based on cost) of the total materials value.

*Note: The Nexxpad , X-Gen.E2 and Nexxfill TPE infill are manufactured in the Montreal, Quebec, Canada Area. Carpet of all Nexxfield systems are manufactured in Dalton Georgia, USA .*

MR Credit 5.2: Regional Materials: 20% Extracted, Processed & Manufactured Regionally - 1 Point in addition to MR Credit 5.1

### **Intent**

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.

### **Requirements**

Use building materials or products that have been extracted, harvested or recovered, as well as manufactured, within 500 miles of the project site for a minimum of 10% (based on cost) of the total materials value.

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## **Indoor Environmental Quality**

EQ Credit 4.1: Low-Emitting Materials: Adhesives & Sealants - 1 Point

### **Intent**

Reduce the quantity of indoor air contaminants that are odorous, irritating and/or harmful to the comfort and well-being of installers and occupants.

### **Requirements**

All adhesives and sealants used on the interior of the building (defined as inside of the weatherproofing system and applied on-site) shall comply with the requirements of the following reference standards:

Adhesives, Sealants and Sealant Primers: South Coast Air Quality Management District (SCAQMD) Rule #1168. VOC limits are listed in the table below and correspond to an effective date of July 1, 2005 and rule amendment date of January 7, 2005.

*Note: NexxField can be installed using low VOC and low solvent or solvent free adhesives. Sealants and coatings are not required on NexxField. NexxField products are formaldehyde free, lead free, and SBR (Styrene Butadiene Rubber) free. No infill system as X-GEN and X-GEN.E2 and product using Nexxfill TPE infill are low VOC compared to product using SBR crumb rubber as infill*

MR Credit 4.3; Low-Emitting Material: Carpet Systems

### **Intent**

Reduce the quantity of indoor air contaminants that are odorous, irritating and/or harmful to the comfort and well-being of installers and occupants.

**Requirements**

All carpet installed in the building interior shall meet the testing and product requirements of the Carpet and Rug Institute's Green Label Plus program.

All carpet cushion installed in the building interior shall meet the requirements of the Carpet and Rug Institute Green Label program.

All carpet adhesive shall meet the requirements of EQ Credit 4.1: VOC limit of 50 g/L.

**Innovation & Design Process***ID Credit 1.1 - 1.4: Innovation in Design - 1 - 4 Points*

This provides the opportunity for design teams and projects to be awarded points for exceptional performance above the requirements set by the LEED for New Construction Green Building Rating System and/or innovative performance in Green Building categories not specifically addressed by the LEED for New Construction Green Building Rating System. Ways in which The X-Gen and Kombi can help achieve point(s) in this category are:

- NexxField surfaces have exceptional impact sound reduction characteristics and good insulation properties.
- Both X-Gen and Kombi are odor free and VOC free.
- NexxField's NexxPAD™ is guaranteed for 20 years and is a Class 5 recyclable product.
- Nexxdrain system allow to capture water from rainfall.