



USGBC LEED Credit Summary for XeroFlor Green Roof Systems

This document provides a summary of potential LEED credits for XeroFlor Green Roof Systems based on **USGBC LEED v4.1 Building Design and Construction (April 9, 2019)**. This summary aims to provide data and assist designers and LEED AP's to fill out LEED project registration.

Sustainable Sites (SS)

SS Credit: Protect or Restore Habitat

Point(s): 1-2

Use XeroFlor green roof systems with native or adapted plants to restore 25% of the site under Option 1. On-Site Restoration.

SS Credit: Open Space

Point(s): 1

Provide physically accessible outdoor space using XeroFlor green roof systems to meet the minimum 25% vegetation requirement.

SS Credit: Rainwater Management

Point(s): 1-3

Use XeroFlor green roof systems, alone or in combination with other Low Impact Development or Green Infrastructure tools, to reduce site runoff and improve water quality.

SS Credit: Heat Island Reduction

Point(s): 1-3

Use XeroFlor green roof systems, alone or in combination with other tools, to meet the following criterion under Option 1. Nonroof and Roof:

$$\frac{\text{Area of Nonroof Measures}}{0.5} + \frac{\text{Area of High Reflectance Roof}}{0.75} + \frac{\text{Area of Vegetated Roof}}{0.75} \geq \text{Total Site Paving Area} + \text{Total Roof Area}$$

SS Credit: Site Master Plan

Point(s): 1

XeroFlor green roof system can contribute to the minimum 4 SS credits required to ensure sustainable site benefits.

Water Efficiency (WE)

WE Credit: Outdoor Water Use Reduction

Point(s): 1-3

XeroFlor Green Roof Systems utilize regionally adapted, heat and drought resistant vegetation that require no or reduced irrigation.

Energy and Atmosphere (EA)

EA Credit: Optimize Energy Performance

Point(s): 1-20

XeroFlor Green Roof Systems mitigate heat flow through the roofing system by shading, insulation, evapotranspiration and thermal mass, contributing to improved energy performance of the building.

Materials and Resources (MR)

MR Credit: Building Product Disclosure and Optimization – Sourcing of Raw Materials

Point(s): 1-2

XeroFlor Green Roof Systems utilize components containing recycled contents; and have production sites located near major cities that may supply within 100 miles of project sites; thus contributing to this credit.

MR Credit: Building Product Disclosure and Optimization – Material Ingredients Point(s): 1-2

Many of the Xeroflor components are Cradle to Cradle Certified™ under version 3.1 with a Material Health achievement at Bronze level to meet Option 1. Material Ingredient Reporting.

Regional Priority (RP)

RP Credit: Regional Priority

Point(s): 1-4

Xeroflor Green Roof Systems can contribute to these credits that have been identified by the USGBC regional councils and chapter as having additional regional importance based on geographical locations.

***Note:** The point(s) indicated are the maximum allowable for a particular credit. Xeroflor Green Roof Systems can contribute to some or all of the points, alone or in combination with other measures. Different points under each credit apply to different project categories such as New Construction, Schools, Retail, Healthcare...etc. Please refer to USGBC LEED guidelines for details.*