

LEED (Leadership in Energy and Environmental Design) green building rating systems allow builders, owners, and tenants to evaluate the overall sustainability of their projects. Points toward LEED certification can be obtained by making sustainable choices while designing, constructing, and operating a new or existing building or major renovation. In LEED Building Design and Construction (BD+C) v4, there are 110 possible points. Through auditing by the U.S. Green Building Council (USGBC), the organization that developed LEED, a building can be awarded a certification ranging from LEED Certified (40-49 points) to LEED Platinum (80-110 points).

Changes implemented in Version 4 of LEED, which was released in late 2013, reflect increasing interest in life-cycle-based information for sustainable building materials. The completely revamped rating system takes a new, more flexible approach to building green. LEED v4 acknowledges product contribution not just by allocating points for specific attributes like recycled content, but also through increased perspective on the role products have in achieving a host of traditionally desired outcomes, such as energy efficiency, occupant comfort, and whole building performance. With more tile life-cycle information becoming readily available, design teams have the tools they need to creatively integrate tile installations into projects that meet performance-based credit requirements.

The building materials and systems chosen for a project play an important role in satisfying requirements needed to attain certification, and using ceramic tile can be quite advantageous, understanding the precise number of points earned depends on many factors and varies widely depending on project particulars. Sustainable applications for tile are virtually endless, limited only by the imaginations of architects, designers, and budgets.

This guide explains how ceramic tile can be integrated into projects that meet the criteria for pertinent LEED Credits in six LEED Credit categories: Integrative Process; Materials and Resources; Indoor Environmental Quality; Sustainable Sites; Energy and Atmosphere; and Innovation.

Credits, requirements, options, and other details found in LEED v4 were omitted in this guide where not relevant to tile and installation materials.

Green Squared Certified® products have extensive sustainability attributes that can help fulfill a broad range of LEED v4 criteria.

LEED points may be earned using a variety of approaches, and many factors can greatly influence the overall sustainability of any project.

Consult LEED Accredited Professionals (LEED APs) to help you better understand how tile installations can be integrated into projects to help achieve the desired sustainability and certification.

