LEED® v4 for Building Design and Construction

Finalized in 2013, the LEED® v4 Green Building Rating System is a set of performance standards for certifying the design and construction of commercial, institutional and high-rise multifamily residential buildings, both public and private. The intent is to promote durable, affordable and sustainable materials and processes during the design, construction and operation of the built environment.

The Rating System includes guides for New Construction, Core & Shell, Schools, Retail, Data Centers, Warehouse and Distribution Centers, Hospitality and Healthcare.

Prerequisites and Credits in the LEED® v4 Building Design and Construction Rating System address the following Categories:

- Integrative Project Planning and Design or Integrative Process
- Location and Transportation (LT)
- Sustainable Sites (SS)
- Water Efficiency (WE)
- Energy and Atmosphere (EA)
- Materials & Resources (MR)
- Indoor Environmental Quality (EQ)
- Innovation (IN)
- Regional Priority (RP)

Prerequisites and Credits for each of the categories covered in the LEED® Rating System for each building type are project rather than product focused. Therefore it is the cumulative effect of products integrated within building systems and assemblies and evaluated within the parameters of each of the topics that contribute to the “points” a project accrues during the certification process.

LEED® for Building Design and Construction (BD+C).

Buildings that are new construction or major renovation. In addition, at least 60% of the project’s gross floor area must be complete by the time of certification (except for LEED® BD+C: Core and Shell).

Building Types

New Construction and Major Renovations. New construction or major renovation of buildings that do not primarily serve K-12 educational, retail, data centers, warehouses and distribution centers, hospitality, or healthcare uses. New construction also includes high-rise residential buildings 9 stories or more.

Core and Shell Development. Buildings that are new construction or major renovation for the exterior shell and core mechanical, electrical, and plumbing units, but not a complete interior fit-out. LEED® BD+C: Core and Shell is the appropriate rating system to use if more than 40% of the gross floor area is incomplete at the time of certification.

Schools. Buildings made up of core and ancillary learning spaces on K-12 school grounds. LEED® BD+C: Schools may optionally be used for higher education and non-academic buildings on school campuses.

Retail. Buildings used to conduct the retail sale of consumer product goods. Includes both direct customer service areas (showroom) and preparation or storage areas that support customer service.

Data Centers. Buildings specifically designed and equipped to meet the needs of high density computing equipment such as server racks, used for data storage and processing. LEED® BD+C: Data Centers only addresses whole building data centers (greater than 60%).

Warehouses and Distribution Centers. Buildings used to store goods, manufactured products, merchandise, raw materials, or personal belongings, such as self-storage.

Hospitality. Buildings dedicated to hotels, motels, inns, or other businesses within the service industry that provide transitional or short-term lodging with or without food.

Healthcare. Buildings that serve individuals who seek medical treatment, including licensed and federal inpatient care facilities, licensed and federal outpatient care facilities, and licensed and federal long-term care facilities. May optionally be used for buildings with other kinds of medically-related uses, such as unlicensed outpatient facilities, medical, dental and veterinary offices and clinics, assisted living facilities and medical education & research centers.

Owens Corning
LEED® v4 Credits Guide
HELPING YOU ACHIEVE LEED® CERTIFICATIONS

Commercial, Institutional and High-Rise Residential Buildings
LEED® v4 for Building Design and Construction

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**LEED® v4 for Building Design and Construction (BD+C) Credits Guide for Owens Corning® Products**

Product lists and credit contribution by construction type is featured below. The key details the qualifying construction type(s) for each credit.

<table>
<thead>
<tr>
<th>KEY</th>
<th><strong>SS</strong></th>
<th><strong>EA</strong></th>
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<td><strong>C</strong> Schools</td>
<td>A Qualifies for all construction categories</td>
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<td><strong>F</strong> Warehouses and Distribution Centers</td>
<td>B New Construction &amp; Major Renovations</td>
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The Owens Corning® products listed contribute to meeting requirements of the LEED® Rating system in the categories identified, however, the use of these products does not guarantee attainment of points or prerequisite compliance, nor are any products certified under the LEED® brand. Call 1-800-GET-PINK® to learn more about how Owens Corning® products can help you achieve LEED® certification.

### Insulating Products
- **FIBERGLAS™ Blanket Insulation**
  - **PROPINK® EcoTouch** FIBERGLAS™ Insulation Thermal Batts & Rolls with PureFiber® Technology, PROPINK® EcoTouch FastBatt® Insulation with PureFiber® Technology, and EcoTouch® Flame Spread 25 Insulation with PureFiber® Technology
  - **PROPINK® Loosetuff Insulation**
  - **PROPINK® L77 Loosetuff Insulation, ProCat® Blown-In Loosetuff Insulation, and AttiCat® Expanding Blown-In Loosetuff Insulation
  - **Air Sealing/Insulation System**
    - EnergyComplete® Flexible Foam Sealant with PROPINK® EcoTouch® FIBERGLAS™ Batt Insulation or PROPINK® L77 Loosetuff Insulation
  - **FIBERGLAS™ Rapid and Rigid-Insulation**
    - **FIBERGLAS™ 700 Series, FIBERGLAS™ EcoTouch® RA Series**
  - **FIBERGLAS™ Insul-Quick® Insulation, FIBERGLAS™ TIW Type I and Type II, FIBERGLAS™ SCR Board, and Curtain Wall (CW-225) Insulation**
  - **FIBERGLAS™ Acoustic Insulation**
    - Somabatts® Glass Fiber Commercial Insulation with PureFiber® Technology, and QuietZone® Acoustic Batts with PureFiber® Technology
    - Sound Attenuation Batts with PureFiber® Technology
    - **Acoustic Wall and Ceiling Finishes**
      - CONWED® Designscape®
      - Room Finishing System®
    - **Mineral Wool Insulation**
      - ThermalBatts® Insulation, SAFB®, FireSpan®, Satif, UltraBatt®, VersaBoard®, and RandBarres®
  - **Extruded Polystyrene (XPS) Insulation and Accessories**
    - FOAMULAR® XPS Roof Insulation Products: Including THERMAPINK®, and DURAPINK®
    - FOAMULAR® XPS Commercial Insulation Products: Including Carvin Wall (CW/CW PLUS), InsuPPink®, INSUL-DRAIN®, and PROPPINK®
    - FastFold Underlayment Board, JointSealR, FlashSealR, FoamSeal®, TruWrap®, and PINKWRAP®
    - **HVAC Insulation**
      - Quell® Duct Liner Board, Quell® Rotary Duct Liner and QuietZone® Spiral Duct Liner
    - **Pipe and Equipment Insulation**
      - **FIBERGLAS™ Pipe Insulation (ASU Max with SSL Max; ASU with SSL®) and VaporWick® Pipe Insulation**
      - **FIBERGLAS™ No Wrap® Pipe Insulation**
      - **FIBERGLAS™ Pipe and Tank Insulation**
    - **Metal Building Insulation**
      - EcoTouch® Insulation for Certified Metal Building, EcoTouch® Insulation for Metal Building Utility Blanket, and EcoTouch® Insulation for MBI Plus Metal Building

### Roofing & Asphalt Products
- **Shingles:** TruDefinition® Duration®, TruDefinition® Duration Designer Colors Collection, Duration® Premium, TruDefinition® Oakridge®, Oakridge®, Supreme*, and Oakridge® Duration Storm®
  - **Shingles:** Berkshire®, Woodmoor® & Woodmoor®, TruDefinition® WeatherGuard® HP, TruDefinition® Duration MAX®, TruDefinition® Duration Storm®
  - **TruDefinition® Oakridge®, Oakridge®, and Supreme®; Duration® Premium Cool
  - Owens Corning Roofing and Asphalt Preferred Contractor Shingle Recycling Program
  - **Accessory Products:** Venturi® Low Profile Start Vent with Without Exterior Louver, FIBERGLAS® Reinforced Felt Underlayment, WeatherLock® Ice & Water Barrier Products
  - **Duration® Premium Cool Shingles in Harbor Fog Color meet steep sloped B9 requirements**

### Additional Information
- **May not be available for all manufacturing locations**
- **May not be available for all construction job locations**
- **Available in specific markets**

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*LEED® is a registered trademark owned by the United States Green Building Council® (USGBC®). The USGBC® Licensees of the LEED® Green Building Rating System® are the sole source of LEED® Content.*
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