LEED® v4 FOR BUILDING DESIGN AND CONSTRUCTION

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 evaluated within the parameters of each of the topics that contributes 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, nine 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.

LEED® v4 CREDITS GUIDE
FOR COMMERCIAL, INSTITUTIONAL, AND HIGH-RISE RESIDENTIAL BUILDINGS
HELPING YOU ACHIEVE LEED® CERTIFICATIONS

LEED® V4 FOR BUILDING DESIGN AND CONSTRUCTION (BD+C) CREDITS GUIDE FOR OWENS CORNING® PRODUCTS

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

KEY

ALL Qualifies for ALL construction categories
A New Construction & Major Renovations
B Core and Shell Development
C Schools
D Retail
E Data Centers
F Warehouses and Distribution Centers
G Hospitality
H Healthcare

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.

Column legend (category / credit):
- **SS** — SSc5: Heat Island Reduction
- **EA** — EAp2 (Prerequisite): Minimum Energy Performance; EAc2: Optimized Energy Performance
- **MR** — MRc1: Building Life-Cycle Impact Reduction; MRc2: Building Product Disclosure and Optimization – Environmental Product Declarations; MRc3: Building Product Disclosure and Optimization – Sourcing of Raw Materials; MRc4: Building Product Disclosure and Optimization – Material Ingredients; MRc5: Construction and Demolition Waste Management
- **EQ** — EQp3 (Prerequisite): Minimum Acoustical Performance; EQc2: Low-Emitting Materials; EQc5: Thermal Comfort; EQc9: Acoustic Performance

Product	SSc5	EAp2	EAc2	MRc1	MRc2	MRc3	MRc4	MRc5	EQp3	EQc2	EQc5	EQc9
Prerequisite		EAp2							EQp3			
INSULATING PRODUCTS												
FIBERGLAS® Blanket Insulation												
EcoTouch® PINK® FIBERGLAS® Insulation with PureFiber® Technology		ALL	ALL		ALL	ALL			C	ALL	ALL	ACEFGH
FIBERGLAS® Loosefill Insulation												
PROPINK® Loosefill Insulation, AttiCat® Expanding Blown-In Loosefill Insulation		ALL	ALL		ALL	ALL	ALL		C	ALL	ALL	ACEFGH
FIBERGLAS® Rigid and Semi-Rigid Insulation												
FIBERGLAS® 700 Series		ALL	ALL		ALL	ALL						
EcoTouch® RA Series		ALL	ALL			ALL						
FIBERGLAS® Insul-Quick® Insulation, FIBERGLAS® TIW Type I and Type II, FIBERGLAS® SCR Board, Curtain Wall (CW-225) Insulation		ALL	ALL			ALL						
FIBERGLAS® Acoustic Insulation												
QuietZone® Acoustic Batts					ALL	ALL			C	ALL		ACEFGH
Acoustic Wall and Ceiling Finishes												
QuietZone® Acoustic Floor Mat									C	ALL		ACEFGH
SelectSound® Black Acoustic Board Insulation, SelectSound® Black Acoustic Blanket Insulation						ALL			C	ALL		ACEFGH
Mineral Wool Insulation												
Thermafiber® Insulation, SAFB™, FireSpan®, Safing, UltraBatt™, VersaBoard®, and RainBarrier®		ALL	ALL	ALL		ALL	ALL		C		ALL	ACEFGH
Extruded Polystyrene (XPS) Insulation and Accessories												
FOAMULAR® Extruded Polystyrene Rigid Insulation: Including Cel-Lok®, Cel-Drain®, C-200, C-300, 350, CodeBord®, 400/600/1000 High Density, Gridboard		ALL	ALL	ALL	ALL	ALL		ALL		ALL	ALL	
FOAMULAR® Extruded Polystyrene Rigid Insulation: Commercial Roofing for Vegetative Roofs: 350	ALL	ALL	ALL	ALL	ALL	ALL		ALL		ALL	ALL	
FOAMULAR® XPS Commercial Insulation Products: Including InsulPink®		ALL	ALL	ALL	ALL	ALL		ALL		ALL	ALL	
JointSealR®, FlashSealR®, FoamSealR™		ALL	ALL									
HVAC Insulation												
QuietR® Duct Liner Board, QuietR® Rotary Duct Liner, QuietZone® Spiral Duct Liner		ALL	ALL			ALL			C	ALL		ACEFGH
QuietR® Duct Board and EcoTouch® Insulation for Flexible Duct		ALL	ALL		ALL	ALL			C	ALL		ACEFGH
SoftR® Duct Wrap		ALL	ALL		ALL	ALL				ALL		
Pipe and Equipment Insulation												
FIBERGLAS® Pipe Insulation (ASJ Max with SSL Max; ASJ with SSLII®), VaporWick® Pipe Insulation		ALL	ALL		ALL	ALL				ALL		
FIBERGLAS® "No Wrap" Pipe Insulation		ALL	ALL		ALL	ALL				ALL		
FIBERGLAS® Pipe and Tank Insulation		ALL	ALL			ALL						
Metal Building Insulation												
EcoTouch® Insulation for Certified R Metal Building, EcoTouch® Insulation for Metal Building Utility Blanket, and EcoTouch® Insulation for MBI Plus Metal Building		ALL	ALL		ALL	ALL			C	ALL	ALL	
ROOFING & ASPHALT PRODUCTS												
Shingles: TruDefinition® Duration®, TruDefinition® Duration® Designer Colour Collection, Oakridge®, Supreme®[1,2,3]						ALL		ALL				
Shingles: Berkshire®, Woodmoor® & Woodcrest®								ALL				
Accessory Products: WeatherLock® Ice & Water Barrier Products												

[1] May not be available for all manufacturing locations. [2] May not be available for all construction job locations. [3] Available in specific markets.