

# 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	Energy and Atmosphere (EA)
Location and Transportation (LT)	Materials & Resources (MR)
Sustainable Sites (SS)	Indoor Environmental Quality (EQ)
Water Efficiency (WE)	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.



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**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 (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.

## 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.

	SS	EA		MR					EQ				
	Heat Island Reduction	Minimum Energy Performance	Optimize Energy Performance	Construction and Demolition Waste Management Planning	Building Life-Cycle Impact Reduction	Building Product Disclosure and Optimization - Environmental Product Declarations	Building Product Disclosure and Optimization - Sourcing of Raw Materials	Building Product Disclosure and Optimization - Material Ingredients	Construction and Demolition Waste Management	Minimum Acoustical Performance	Low-Emitting Materials	Thermal Comfort	Acoustic Performance
Prerequisite		EAp2		MRp2						EQp3			
Credit Number	SSc5		EAc2		MRc1	MRc2	MRc3	MRc4	MRc5		EQc2	EQc5	EQc9
<b>Insulating Products</b>													
<b>Fiberglas™ Blanket Insulation</b>													
<b>PRO</b> PINK® EcoTouch® Fiberglas™ Insulation Thermal Batts & Rolls with PureFiber® Technology, <b>PRO</b> PINK® EcoTouch® FastBatt® Insulation with PureFiber® Technology, and EcoTouch® Flame Spread 25 Insulation with PureFiber® Technology		ALL	ALL			ALL	ALL			C	ALL	ALL	ACEFGH
<b>Fiberglas™ Loosefill Insulation</b>													
<b>PRO</b> PINK® L77 Loosefill Insulation, and AttiCat® Expanding Blown-In Loosefill Insulation		ALL	ALL			ALL	ALL	ALL		C	ALL	ALL	ACEFGH
<b>Air Sealing/Insulation System</b>													
EnergyComplete® Flexible Foam Sealant with <b>PRO</b> PINK® EcoTouch® Fiberglas™ Batt Insulation or <b>PRO</b> PINK® L77 Loosefill Insulation		ALL	ALL							C	ALL	ALL	ACEFGH
<b>Fiberglas™ Rigid and Semi-Rigid Insulation</b>													
Fiberglas™ 700 Series, Fiberglas™ Insul-Quick® Insulation, Fiberglas™ TIW Type I and Type II, Fiberglas™ SCR Board, and Curtain Wall (CW-225) Insulation EcoTouch® RA Series		ALL	ALL				ALL						
<b>Fiberglas™ Acoustic Insulation</b>													
Sonobatts® Glass Fiber Commercial Insulation with PureFiber® Technology, and QuietZone® Acoustic Batts with PureFiber® Technology							ALL			C	ALL		ACEFGH
Sound Attenuation Batts with PureFiber® Technology							ALL			C	ALL		ACEFGH
<b>Acoustic Wall and Ceiling Finishes</b>													
CONWED Designscape®							ALL			C			ACEFGH
Room Finishing System™		ALL	ALL				ALL			C			ACEFGH
<b>Mineral Wool Insulation</b>													
Thermafiber® Insulation, SAFB™, FireSpan®, Safing™, UltraBatt™, VersaBoard®, and RainBarrier®		ALL	ALL		ALL		ALL			C		ALL	ACEFGH
<b>Extruded Polystyrene (XPS) Insulation and Accessories</b>													
<b>FOAMULAR® XPS Roof Insulation Products:</b> Including THERMAPINK®, and DURAPINK®	ALL	ALL	ALL		ALL	ALL	ALL		ALL		ALL	ALL	
<b>FOAMULAR® XPS Commercial Insulation Products:</b> Including Cavity Wall (CW/CW PLUS), InsulPink®, INSUL-Drain®, <b>PRO</b> PINK®, and PINK-DRAIN®		ALL	ALL		ALL	ALL	ALL		ALL		ALL	ALL	
FanFold Underlayment Board, JointSealR®, FlashSealR®, FoamSealR™, TruWrap®, and PINKWRAP®		ALL	ALL										
<b>HVAC Insulation</b>													
QuietR® Duct Liner Board, QuietR® Textile Duct Liner, QuietR® Rotary Duct Liner, QuietR® Duct Board & QuietZone® Spiral Duct Liner, and EcoTouch® Insulation for Flexible Ducts		ALL	ALL				ALL			C	ALL		ACEFGH
SoftR® Duct Wrap		ALL	ALL				ALL				ALL		
<b>Pipe and Equipment Insulation</b>													
Fiberglas™ Pipe Insulation (ASJ) SSL®I and SSLII®, and VaporWick® Pipe Insulation		ALL	ALL				ALL				ALL		
Fiberglas™ “No Wrap” Pipe Insulation, Fiberglas™ Pipe, and Tank Insulation		ALL	ALL				ALL						
<b>Metal Building Insulation</b>													
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			C	ALL	ALL	
<b>Roofing &amp; Asphalt Products</b>													
<b>Shingles:</b> TruDefinition® Duration® Designer Color Collection, Oakridge®, Supreme® and Mineral Surface Roll <sup>1,2,3</sup>				ALL			ALL		ALL				
<b>Shingles:</b> TruDefinition® Series, Berkshire®, Woodcrest®, Woodmoor®, WeatherGuard® HP, Oakridge®, and Supreme® <sup>1,2,3</sup>				ALL					ALL				
Owens Corning Roofing and Asphalt Preferred Contractor Shingle Recycling Program <sup>3</sup>				ALL					ALL				
VentSure® Low Profile Slant Back Vent with/without Exterior Louver							ALL						
Fiberglas™ Reinforced Felt Underlayment							ALL						
WeatherLock® Ice & Water Barrier Products							ALL						
<b>Cool Roof Shingles:</b> Shasta White only in TruDefinition® Duration®, Oakridge®, and Supreme®. Duration® Premium Cool Shingles only in Sunrise, Sage, Frosted Oak, and Harbor Fog Colors <sup>1,2,3</sup>		ALL	ALL	ALL					ALL			ALL	
Duration® Premium Cool Shingles in Harbor Fog Color meets steep sloped SRI requirements	ALL	ALL	ALL	ALL					ALL			ALL	

<sup>1</sup>May not be available for all manufacturing locations

<sup>2</sup>May not be available for all construction job locations

<sup>3</sup>Available in specific markets