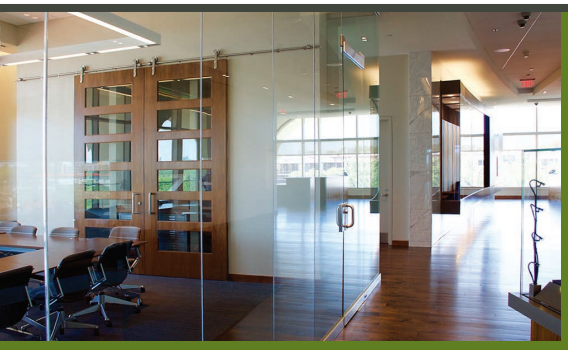
OregonDoor
we build the doors that build your reputation



Contribution Toward LEED V4 Certification



OregonDoor is a leading manufacturer of elite quality architectural flush wood and fiberglass reinforced polymer (FRP) doors. Environmental responsibility is at the heart of our company's ethos and our team continually strives to be the leader in providing sustainable solutions for all opening needs.

OregonDoor products help today's green buildings increase energy and resource efficiency as well as create safer and healthier work places.

LEED V4 (Leadership in Energy and Environmental Design) includes the following rating systems:

Building Design and Construction (BD+C)
New Construction (NC), Core and Shell (CS), Schools, Retail, Healthcare, Data Centers, Hospitality, Warehouses, Distribution Centers, Multifamily Midrise

Interior Design and Construction (ID+C)
Commercial Interiors (CI), Retail and Hospitality

Building Operations and Maintenance (O+M)
Existing Buildings (EB), Schools, Retail, Hospitality, Data Centers, Warehouses & Distribution Centers



Credit categories applicable to architectural doors include the following:

Energy and Atmosphere (EA)

- Energy Performance and Optimization (BD+C, ID+C, O+M)
- Minimum Energy Performance (BD+C, ID+C, O+M)

Materials and Resources (MR)

- Building Product Disclosure and Optimization (BD+C, ID+C)
- Construction Waste Management (BD+C, ID+C)
- Purchasing – Facility Maintenance and Renovation (O+M)
- Solid Waste Management – Facility Maintenance and Renovation (O+M)

Indoor Environmental Quality (EQ)

- Indoor Air Quality Strategies (BD+C, ID+C)
- Low-Emitting Materials (BD+C, ID+C)
- Acoustic Performance (BD+C, ID+C)
- Daylight and Quality Views (BD+C, ID+C, O+M)

Energy and Atmosphere (EA)

Credit	Credit Intent and Contributions
Minimum Energy Performance (Prerequisite) **BD+C** **ID+C** **O+M**	**Intent:** To reduce the environmental and economic harms of excessive energy use by achieving a minimum level of energy efficiency for the building and its systems. *The minimum energy performance standards set by LEED require complete door assemblies that are best in class in energy efficiency, thermal performance and air infiltration resistance.* **OregonDoor** *products are an important component of integrated solutions of doors, frames, weather strip products, hardware and access control systems that are designed to meet stringent LEED requirements.*
Optimize Energy Performance **BD+C (1-18 pts)** **ID+C (1-25 pts)** **O+M (1-20 pts)**	**Intent:** To achieve increasing levels of energy performance beyond the prerequisite standard to reduce environmental and economic harms associated with excessive energy use. *Optimizing energy performance standards set by LEED requires complete door opening solutions that are best in-class in energy efficiency, thermal performance and air infiltration resistance.* **OregonDoor** *products are an important component of integrated solutions of doors, frames, weather strip products, hardware and access control systems that are designed to meet stringent LEED requirements.*

Materials and Resources (MR)

Credit	Credit Intent and Contributions
Building Product Disclosure and Optimization – Environmental Product Declarations (Option 1)* **BD+C (1 pt)** **ID+C (1 pt)**	**Intent:** To encourage the use of products and materials for which life-cycle information is available and that have environmentally, economically, and socially preferable life-cycle impacts. To reward project teams for selecting products from manufacturers who have verified improved environmental life-cycle impacts. Use at least 20 permanently installed products sourced from at least five different manufacturers that have product-specific declarations, industry-wide generic environmental product declarations (EPDs), or product-specific type III EPDs. **OregonDoor** *has conducted life cycle assessments and developed product-specific type III EPDs to measure the environmental impact throughout the life cycle of many of its products. EPD documentation is available at oregondoor.com and via UL's SPOT™, a web-based product sustainability information tool, at ul.com/spot.*
Building Product Disclosure and Optimization – Sourcing of Raw Materials (Option 2)* **BD+C (1 pt)** **ID+C (1 pt)**	**Intent:** To encourage the use of products and materials for which life cycle information is available and that have environmentally, economically, and socially preferable life cycle impacts. To reward project teams for selecting products verified to have been extracted or sourced in a responsible manner. Use products that meet at least one of the responsible extraction criteria below for at least 25%, by cost, of the total value of permanently installed building products in the project: extended producer responsibility, bio-based materials, certified wood products, materials reuse, recycled content, or other USGBC approved programs. **OregonDoor** *works to ensure responsible sourcing of all raw materials and to contribute to producer responsibility throughout the supply chain. Our supply chain partners adhere to a strict code of conduct and are selected based on a number of criteria centered on responsible practices throughout their operation.* *We offer an extended producer responsibility (EPR) product reuse program that encourages environmentally responsible practices for processing and disposing of wood and fiberglass reinforced polymer (FRP) doors and frames that have reached the end of their useful life. Many products include use of third-party verified recycled content. Forest Stewardship Council® (FSC) certified wood is available in most product configurations and agrifiber core doors include bio-based content.*

Building Product Disclosure and Optimization – Material Ingredients: Material Ingredient Reporting (Option 1) *
BD+C (1 pt)
ID+C (1 pt)

Intent: To encourage the use of products and materials for which life-cycle information is available and that have environmentally, economically, and socially preferable life-cycle impacts. To reward project teams for selecting products for which the chemical ingredients in the product are inventoried using an accepted methodology and for selecting products verified to minimize the use and generation of harmful substances. To reward raw material manufacturers who produce products verified to have improved life-cycle impacts.

Use at least 20 different permanently installed products from at least five different manufacturers that use an approved program to demonstrate the chemical inventory of the product to at least 0.1% (1000 ppm). Approved programs include self-published manufacturer inventory (disclosing material name and CAS numbers, or role, amount and GreenScreen v1.2 benchmarks), Health Product Declarations (HPD), Declare, Cradle to Cradle, Product Lens, and several others.

Safety and transparency of material ingredients is important to **OregonDoor**. *We have published HPD's and Declare labels for multiple products and continue to expand available reporting as time and resources allow.*

Construction Waste Management
BD+C (1-2 pts)
ID+C (1-2 pts)

Intent: To reduce construction and demolition waste disposed of in landfills and incineration facilities by recovering, reusing, and recycling materials.

Many **OregonDoor** *products can be reused, repurposed and/or recycled. Our aim is to make durable sustainable products that can assist projects in attaining this credit. Additionally, we offer an extended producer responsibility (EPR) product reuse program that encourages environmentally responsible practices for processing and disposing of wood and fiberglass reinforced polymer (FRP) doors and frames that have reached the end of their useful life.*

Purchasing – Facility Maintenance and Renovation (Option 1)
O+M (1 pt)

Intent: To reduce the environmental harms associated with the materials purchased, installed, and disposed of during maintenance and renovation of buildings.

Requires purchasing materials that incorporate recycled content, sustainably harvested wood, bio-based content, reused materials, and/or have extended producer responsibility, GreenScreen v1.2 Benchmarks, Cradle-to-Cradle certification, REACH Optimization and/or contain low VOC emissions.

OregonDoor *works to ensure responsible sourcing of all raw materials and to contribute to producer responsibility throughout the supply chain. We offer an extended producer responsibility (EPR) product reuse program that encourages environmentally responsible practices for processing and disposing of wood and fiberglass reinforced polymer (FRP) doors and frames that have reached the end of their useful life.*

Many products include use of third-party verified recycled content. Forest Stewardship Council® (FSC) certified wood is available in most product configurations and agrifiber core doors include bio-based content.

All product configurations have been tested and certified both GREENGUARD and GREENGUARD Gold, verifying that they meet low emitting criterion. Additionally, **OregonDoor** *has implemented a best in class factory finish system that uses only water-based stains and UV-cured topcoats. This not only provides a great looking, durable finish, it also eliminates most hazardous air pollutants (HAP) and volatile organic compounds (VOC) that other finish materials can emit into the atmosphere.*

Solid Waste Management - Facility Maintenance and Renovation
O+M (2 pts)

Intent: To divert construction, renovation, and demolition debris from disposal in landfills and incinerators and recover and recycle reusable materials.

Many **OregonDoor** *products can be reused, repurposed and/or recycled. Our aim is to make durable sustainable products that can assist projects in attaining this credit. Additionally, we offer an extended producer responsibility (EPR) product reuse program that encourages environmentally responsible practices for processing and disposing of wood and fiberglass reinforced polymer (FRP) doors and frames that have reached the end of their useful life.*

* Note on Location Valuation Factor: For the location valuation factor to be applied, LEED requires that products and materials be extracted, manufactured, and purchased within 100 miles of the project site. A few Oregon Door products may qualify for projects located in Southern Oregon only.

Indoor Environmental Quality (EQ)

Credit	Credit Intent and Contributions
Minimum Acoustic Performance (Prerequisite) **BD+C – Schools Only**	**Intent:** To provide classrooms that facilitate teacher-to-student and student-to-student communication through effective acoustic design. Requires HVAC background noise levels of 40 dBA or less and reduction of exterior noise and reverberation time and by incorporating sufficient sound-absorptive finishes. **OregonDoor** *acoustic products are tested to stringent standards to ensure that STC rated door-opening solutions meet requirements for acoustic sound control and help LEED projects gain credit.*
Low-Emitting Materials **BD+C (1 pt)** **ID+C (1 pt)**	**Intent:** To reduce concentrations of chemical contaminants that can damage air quality, human health, productivity, and the environment. **OregonDoor** *products may help contribute toward achieving this credit. Wood products soured by Oregon Door have no-added formaldehyde (NAF) and meet all EPA Toxic Substances Control Act (TSCA) Title VI and California Air Resources Board (CARB) requirements. All product configurations have been tested and certified both GREENGUARD and GREENGUARD Gold, verifying that they meet low emitting criterion. Additionally,* **OregonDoor** *has implemented a best in class factory finish system that uses only water-based stains and UV-cured topcoats. This not only provides a great looking, durable finish, it also eliminates most hazardous air pollutants (HAP) and volatile organic compounds (VOC) that other finish materials can emit into the atmosphere.*
Daylight **BD+C (1 pt)** **ID+C (1 pt)**	**Intent:** To connect building occupants with the outdoors, reinforce circadian rhythms, and reduce the use of electrical lighting by introducing daylight into the space. **OregonDoor** *lite kits installed on doors allow for glare controls while providing daylight. Adding glazing and sidelights to Oregon Door openings will assist projects in achieving this LEED credit.*
Quality Views **BD+C (1 pt)** **ID+C (1 pt)**	**Intent:** To give building occupants a connection to the natural outdoor environment by providing quality views. **OregonDoor** *lite kits installed on doors allow for glare controls while providing daylight and quality views. Adding glazing and sidelights to* **OregonDoor** *openings will assist projects in achieving this LEED credit.*
Daylight and Quality Views **O+M (1 pt)**	**Intent:** To connect building occupants with the outdoors, reinforce circadian rhythms, and reduce the use of electrical lighting by introducing daylight and views into the space. **OregonDoor** *lite kits installed on doors allow for glare controls while providing daylight and quality views. Adding glazing and sidelights to Oregon Door openings will assist projects in achieving this LEED credit.*
Acoustic Performance **BD+C (1 pt)** **ID+C: Excluding Retail (1 pt)**	**Intent:** To provide workspaces and classrooms that promote occupants' well-being, productivity, and communications through effective acoustic design. Requires HVAC background noise levels of 35 dBA or less and achievement of sound transmission class (STC) requirements of ANSI S12.60-2010 Part 1, or local equivalent. **OregonDoor** *acoustic products are tested to stringent standards to ensure that STC rated door-opening solutions meet requirements for acoustic sound control and help LEED projects gain credit.*

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