

HONORING NATURE IN EVERY DETAIL.

VT Architectural Wood Doors offer proven sustainability attributes that can assist with LEED® accreditation.



LEED NC V3 CREDITS APPLICABLE TO VT ARCHITECTURAL WOOD DOORS

(For projects registered with the USGBC after June 26, 2009)

BUILD SUSTAINABILITY INTO YOUR DESIGN WITH VT.

Being environmentally responsible today is more than just a consideration—it's a way of life. VT Industries is dedicated to making your life easier when it comes to assuring a sustainable building solution. All VT doors are manufactured in highly efficient facilities using low-emitting, sustainable materials. And with their durable construction, you can be sure that the doors will last the life of the building.

HELPING YOU LEED®.

The LEED (Leadership in Energy and Environmental Design) Green Building Rating System™ is a voluntary, consensus-based national standard for developing high-performance, sustainable buildings. Members of the U.S. Green Building Council representing all segments of the building industry developed LEED and continue to contribute to its evolution.

At VT Industries, we are constantly adapting our manufacturing techniques to ensure environmental responsibility. VT doors have been tested with the GREENGUARD Environmental Institute (GEI), and are GREENGUARD Air Quality Certified® and GREENGUARD Children & SchoolsSM Certified. VT is also FSC® Chain of Custody (COC) certified, offering several FSC certified products by request.

The above product attributes can assist you in achieving LEED credits. Under the LEED New Construction (NC) rating system, recycled content, regional materials, rapidly renewable materials, certified wood, and low-emitting material credits are all relevant to architectural wood doors.

VT is dedicated to making your life easier when it comes to assuring a sustainable building solution. >>

LEED CREDIT	CRITERIA
MATERIALS & RESOURCES	
MR Credit 4: Recycled Content	Use materials with recycled content, such that the sum of post-consumer recycled content plus 1/2 of the pre-consumer content constitutes at least 10% or 20%, based on cost, of the total value of the materials in the project. The recycled content value of a material assembly is determined by weight. The recycled fraction of the assembly is then multiplied by the cost of assembly to determine the recycled content value.
MR Credit 5: Regional Materials	Use building materials or products that have been extracted, harvested or recovered, as well as manufactured, within 500 miles of the project site for a minimum of 10% or 20%, based on cost, of the total materials value. If only a fraction of a product or material is extracted, harvested, or recovered and manufactured locally, then only that percentage (by weight) can contribute to the regional value.
MR Credit 6: Rapidly Renewable Materials	Use rapidly renewable building materials and products for 2.5% of the total value of all building materials and products used in the project, based on cost. Rapidly renewable building materials and products are made from plants that are typically harvested within a 10-year or shorter cycle.
MR Credit 7: Certified Wood	Use a minimum of 50% (based on cost) of wood-based materials and products that are certified in accordance with the Forest Stewardship Council's principles and criteria for wood building components. These components include at a minimum, structural framing and general dimensional framing, flooring, sub-flooring, wood doors and finishes.
INDOOR AIR QUALITY	
EQ Credit 4.4: Low-Emitting Materials	Composite wood and agrifiber products used on the interior of the building (i.e., inside the weatherproofing system) must contain no added urea-formaldehyde resins. Laminating adhesives used to fabricate on-site and shop-applied composite wood and agrifiber assemblies must not contain added urea-formaldehyde resins. Composite wood and agrifiber products are defined as particleboard, medium density fiberboard (MDF), plywood, wheatboard, strawboard, panel substrates, and door cores.



VT LEED® CALCULATOR

The VT LEED Calculator (available at LEEDCalculator.VTIndustries.com) enables you to explore the credit assistance available by specifying VT Architectural Wood Doors for your LEED project. This online tool makes it easy to compare various door types and calculate the LEED credit(s) that each can provide. VT offers two ways to use the LEED Calculator.

The first method is to choose the desired core type and VT environmental option. This will generate the percentages for all LEED credits applicable to wood doors, even calculating mileage for regional material credit based on the project ZIP code.

The second method is to select the LEED credit(s) you require and let us show you what is available. This will result in all VT door types available for individual or multiple LEED credit requirements, allowing you to confidently specify and order VT Architectural Wood Doors.

Once you have achieved your desired LEED Calculator outcome, your results are easy to download, save, or print. A supplementary link to VT door cut sheets allows you to quickly gather additional useful information to share with your team, customers, and vendors.

We are constantly adapting our manufacturing techniques to ensure environmental responsibility. >>

3-PART SPEC WRITER

You can create custom LEED specifications with VT's wood door Spec Writer program (available at SpecWriter.VTIndustries.com). Simply select your LEED requirements along with aesthetic grade, face material, color finish, fire-rating, and other requirements—and the program will do the rest.

The Spec Writer program (available for flush wood doors only) instantly creates accurate specifications to meet the most up-to-date standards and effectively communicate all requirements. If you're unsure as to what environmental option to select, refer to the LEED Calculator link.

Have questions? Contact a dedicated VT Territory Sales Manager in your region. These knowledgeable professionals can guide you through each part of the specification process. To find a representative in your area, visit www.vtindustries.com or contact Eric Hanson, LEED AP, at 1-800-827-1615 (ext. 564).

LEED LETTER GENERATOR

VT's LEED Letter Generator makes it easy to submit supporting documentation and manufacturer verification needed for sustainable projects. Any architect, general contractor, or VT distributor can download a project-specific LEED compliance letter with the click of a button on the LEED Calculator website.

LEED compliance letters can be produced at any time, whether the doors have been quoted yesterday, are on order, or have been supplied to the site. All that is necessary is a VT file number to generate documentation required for LEED projects and essential percentages for submittal, filling forms, and calculating LEED credit assistance.

Visit LEEDCalculator.VTIndustries.com to download your LEED compliance letter. >>



LEED NC v3		MR 4	MR 5 ¹	MR 6	MR 7		EQ 4.4
VT Door Type	Environmental Selection	Pre-Consumer Recycled Material	Extraction / Manufacture Location	Rapidly Renewable Material	FSC Claim	New Wood	No added Urea Formaldehyde
PARTICLEBOARD CORE							
5502A, 5P02A	FSC	NA	Bennettsville, SC / New Albany, IN - 77%	NA	FSC Mixed 100%	100%	Yes
5502A, 5P02A	CONTROLLED FSC	NA	Bennettsville, SC / New Albany, IN - 77%	NA	FSC Mixed 97%	100%	Yes
5502A, 5P02A	NO ADDED UF	87%	Bennettsville, SC / New Albany, IN - 77%	NA	NA	13%	Yes
5502A, 5P02A	NONE	87%	Bennettsville, SC / New Albany, IN - 77%	NA	NA	13%	No
STAVE LUMBER CORE							
5507A, 5P07A	FSC	NA	Spring City, TN / New Albany, IN - 8%	NA	FSC Mixed 100%	100%	Yes
5507A, 5P07A	CONTROLLED FSC	NA	Spring City, TN / New Albany, IN - 8%	NA	FSC Mixed 97%	100%	Yes
5507A, 5P07A	NO ADDED UF	10%	Kenora, ON / New Albany, IN - 8%	NA	NA	90%	Yes
5507A, 5P07A	NONE	10%	Kenora, ON / New Albany, IN - 8%	NA	NA	90%	No
STRUCTURAL COMPOSITE LUMBER CORE							
5508A, 5P08A	FSC	NA	Spring City, TN / New Albany, IN - 85%	NA	FSC Mixed 100%	100%	Yes
5508A, 5P08A	CONTROLLED FSC	NA	Spring City, TN / New Albany, IN - 85%	NA	FSC Mixed 97%	100%	Yes
5508A, 5P08A	NO ADDED UF	10%	Kenora, ON / New Albany, IN - 85%	NA	NA	90%	Yes
5508A, 5P08A	NONE	10%	Kenora, ON / New Albany, IN - 85%	NA	NA	90%	No
AGRIFIBER CORE							
5509A, 5P09A	FSC	77%	Wahpeton, ND / New Albany, IN - 77%	77%	FSC Mixed 100%	23%	Yes
5509A, 5P09A	CONTROLLED FSC	77%	Wahpeton, ND / New Albany, IN - 77%	77%	FSC Mixed 87%	23%	Yes
5509A, 5P09A	NO ADDED UF	87%	Wahpeton, ND / New Albany, IN - 77%	77%	NA	13%	Yes
5509A, 5P09A	NONE	87%	Wahpeton, ND / New Albany, IN - 77%	77%	NA	13%	No
MINERAL CORE							
5545A, 5P45A	FSC	NA	Cuba, MO / New Albany, IN - 77%	NA	FSC Mixed 100%	23%	Yes
5511A, 5P11A	FSC	NA	Cuba, MO / New Albany, IN - 85%	NA	FSC Mixed 100%	15%	Yes
5545H, 5P45H	CONTROLLED FSC	NA	Cuba, MO / New Albany, IN - 77%	NA	FSC Mixed 87%	23%	Yes
5511A, 5P11A	CONTROLLED FSC	NA	Cuba, MO / New Albany, IN - 85%	NA	FSC Mixed 80%	15%	Yes
5545A, 5P45A	NO ADDED UF	10%	Cuba, MO / New Albany, IN - 77%	NA	NA	13%	Yes
5511A, 5P11A	NO ADDED UF	10%	Cuba, MO / New Albany, IN - 85%	NA	NA	5%	Yes
5545A, 5P45A	NONE	10%	Cuba, MO / New Albany, IN - 77%	NA	NA	13%	No
5511A, 5P11A	NONE	10%	Cuba, MO / New Albany, IN - 85%	NA	NA	5%	No
¹ Project site must be located within 500 miles of extraction and manufacture location for credit assistance.				PLEASE NOTE: For the LEED for Schools rating system, VT doors are available to meet Indoor Air Quality credit 9. Reference STC Chart for more information at www.vtindustries.com/doors . Stile and Rail information is available by request.			

LEED CREDIT ASSISTANCE BY DOOR TYPE - HERITAGE COLLECTION

LEED NC v3		MR 4	MR 5 ¹	MR 6	MR 7		EQ 4.4
VT Door Type	Environmental Selection	Pre-Consumer Recycled Material	Extraction / Manufacture Location	Rapidly Renewable Material	FSC Claim	New Wood	No added Urea Formaldehyde
PARTICLEBOARD CORE							
5502H, 5P02H	FSC	NA	NA	NA	FSC Mixed 98%	100%	Yes
5502H, 5P02H	CONTROLLED FSC	NA	NA	NA	FSC Mixed 97%	100%	Yes
303H, 3P03H, 404, 4P04H	FSC	NA	NA	NA	FSC Mixed 98%	100%	Yes
5502H, 5P02H, 303H, 3P03H, 404, 4P04H	NO ADDED UF	90%	Kenora, ON / Holstein, IA - 7%	NA	NA	10%	Yes
5502H, 5P02H, 303H, 3P03H, 404, 4P04H	NONE	90%	Kenora, ON / Holstein, IA - 7%	NA	NA	10%	No
STAVE LUMBER CORE							
5507H, 5P07H	FSC	NA	NA	NA	FSC Mixed 98%	100%	Yes
5507H, 5P07H	CONTROLLED FSC	NA	NA	NA	FSC Mixed 97%	100%	Yes
707H, 7P07H	FSC	NA	NA	NA	FSC Mixed 98%	100%	Yes
5507H, 5P07H, 707H, 7P07H	NO ADDED UF	20%	Kenora, ON / Holstein, IA - 7%	NA	NA	80%	Yes
5507H, 5P07H, 707H, 7P07H	NONE	20%	Kenora, ON / Holstein, IA - 7%	NA	NA	80%	No
STRUCTURAL COMPOSITE LUMBER CORE							
5508H, 5P08H	FSC	NA	NA	NA	FSC Mixed 98%	100%	Yes
5508H, 5P08H	CONTROLLED FSC	NA	NA	NA	FSC Mixed 97%	100%	Yes
808H, 8P08H	FSC	NA	NA	NA	FSC Mixed 98%	100%	Yes
5508H, 5P08H, 808H, 8P08H	NO ADDED UF	20%	Kenora, ON / Holstein, IA - 77%	NA	NA	80%	Yes
5508H, 5P08H, 808H, 8P08H	NONE	20%	Kenora, ON / Holstein, IA - 77%	NA	NA	80%	No
AGRIFIBER CORE							
5509H, 5P09H	FSC	70%	Wahpeton, ND / Holstein, IA - 70%	70%	FSC Mixed 98%	30%	Yes
5509H, 5P09H	CONTROLLED FSC	70%	Wahpeton, ND / Holstein, IA - 70%	70%	FSC Mixed 90%	30%	Yes
909H, 9P09H	FSC	70%	Wahpeton, ND / Holstein, IA - 70%	70%	FSC Mixed 98%	30%	Yes
5509H, 5P09H, 909H, 9P09H	NO ADDED UF	90%	Wahpeton, ND / Holstein, IA - 70%	70%	NA	10%	Yes
5509H, 5P09H, 909H, 9P09H	NONE	90%	Wahpeton, ND / Holstein, IA - 70%	70%	NA	10%	No
MINERAL CORE							
5545H, 5P45H	FSC	NA	Cuba, MO / Holstein, IA - 70%	NA	FSC Mixed 98%	30%	Yes
5511H, 5P11H	FSC	NA	Cuba, MO / Holstein, IA - 70%	NA	FSC Mixed 98%	23%	Yes
5545H, 5P45H	CONTROLLED FSC	NA	Cuba, MO / Holstein, IA - 70%	NA	FSC Mixed 90%	30%	Yes
5511H, 5P11H	CONTROLLED FSC	NA	Cuba, MO / Holstein, IA - 70%	NA	FSC Mixed 87%	23%	Yes
1345H, 1P45H	FSC	NA	Cuba, MO / Holstein, IA - 70%	NA	FSC Mixed 98%	30%	Yes
1111H, 1P11H	FSC	NA	Cuba, MO / Holstein, IA - 70%	NA	FSC Mixed 98%	23%	Yes
5545H, 5P45H	NO ADDED UF	20%	Cuba, MO / Holstein, IA - 70%	NA	NA	10%	Yes
1111H, 1P11H	NO ADDED UF	20%	Cuba, MO / Holstein, IA - 70%	NA	NA	3%	Yes
5545H, 5P45H	NONE	20%	Cuba, MO / Holstein, IA - 70%	NA	NA	10%	No
5511H, 5P11H	NONE	20%	Cuba, MO / Holstein, IA - 70%	NA	NA	3%	No
LEAD LINED PARTICLEBOARD CORE							
5515H, 5P15H	FSC	NA	NA	NA	FSC Mixed 98%	58%	Yes
5515H, 5P15H	CONTROLLED FSC	NA	NA	NA	FSC Mixed 97%	58%	Yes
1515H, 1P15H	FSC	NA	NA	NA	FSC Mixed 98%	58%	Yes
5515H, 5P15H, 1515H, 1P15H	NO ADDED UF	51%	Kenora, ON / Holstein, IA - 7%	NA	NA	7%	Yes
5515H, 5P15H, 1515H, 1P15H	NONE	51%	Kenora, ON / Holstein, IA - 7%	NA	NA	7%	No
COMPOSITE SOUND CORE							
5540H, 5P40H, 1240H, 1P40H (STC 35)	NO ADDED UF	20%	Kenora, ON / Holstein, IA - 7%	NA	NA	80%	Yes
5540H, 5P40H, 1240H, 1P40H (STC 35, 39)	NONE	20%	Kenora, ON / Holstein, IA - 7%	NA	NA	80%	No
SOUND ATTENUATION CORE							
1050H, 1250H, 1P50H, 5050H, 5550H, 5P50H (STC 42, 45)	NO ADDED UF	20%	Kenora, ON / Holstein, IA - 7%	NA	NA	80%	Yes
1050H, 1250H, 1P50H, 5050H, 5550H, 5P50H	NONE	20%	Kenora, ON / Holstein, IA - 7%	NA	NA	80%	No

¹ Project site must be located within 500 miles of extraction and manufacture location for credit assistance.

PLEASE NOTE: For the LEED for Schools rating system, VT doors are available to meet Indoor Air Quality credit 9. Reference STC Chart for more information at www.vtindustries.com/doors. Stile and Rail information is available by request.

GREENGUARD CERTIFICATION PROGRAM

The GREENGUARD Environmental Institute (GEI) is an industry-independent, non-profit organization that oversees the GREENGUARD Certification Program, establishing acceptable indoor air standards for indoor products, environments, and buildings. Testing is conducted in stainless steel environmental chambers expertly designed and constructed for measuring trace contaminants. Certified products are rigorously tested quarterly for chemical emissions using proven, scientifically verified protocols, ensuring improved public health and quality of life through improved indoor air.

Indoor Air Quality performance-based standards define goods with low chemical and particle emissions for use indoors, primarily building materials, interior furnishings, furniture, cleaning and maintenance products, electronic equipment, and personal care products. Children are more heavily exposed to environmental toxins than adults. They consume more food and water and have higher inhalation rates per pound of body weight than adults. To account for inhalation exposure to young children with greater sensitivities, GEI applies increased allowable emission levels for Children & SchoolsSM Certification.

GREENGUARD certified products are referenced standards in numerous sustainable building initiatives including: Leadership in Energy and Environmental Design (LEED[®]), Collaborative for High Performance Schools (CHPS), Green Guide for Health Care (GGHC), Sustainable Building Industry Council (SBIC), and for the states of Massachusetts, Washington, and New York. For more information on the GREENGUARD Certification Program emission standards or to view VT Industries Architectural Wood Door compliance certificates visit www.greenguard.org.



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FOREST STEWARDSHIP COUNCIL (FSC) CHAIN OF CUSTODY

The Forest Stewardship Council (FSC[®]) promotes environmentally appropriate, socially beneficial, and economically viable management of the world's forests.

FSC Chain of Custody (COC) is the path taken by raw materials, processed materials, and products, from the forest to the consumer, including all successive stages of processing, transformation, manufacturing, and distribution.

The main objective of FSC COC certification is to ensure that FSC certified material is tracked through the supply chain between operations and production processes within operations. Only FSC COC certified operations are allowed to label products with the FSC trademarks.

A certified COC up to the final point of sale enables end customers to identify and choose FSC certified products knowing there is a system in place to verify the sources of the wood used to manufacture the products. The FSC label thus provides the link between responsible production and consumption.

CONTINUING EDUCATION

VT values the importance of continuing educational efforts and conducts sessions to help architects earn AIA/CES learning units through the Doors and Hardware Institute continuing education program. Our sustainable design education offering, VTI 507 – Sustainable Choices in Wood Door Construction, centers on sustainable design options for wood doors including: LEED credits, wood door materials, indoor air quality, and specifying veneer.

The course is approximately one hour long and is registered by VT with the University of Oklahoma for Continuing Education, earning AIA members one learning unit for Sustainable Design (SD) and Health, Safety, and Welfare (HSW). If interested in taking this course or for more course offerings, please feel free to contact VT Industries at 800.827.1615 ext. 564 or contact your local sales representative to set up a time.