

LAMBOO LVB MATERIAL

SUSTAINABLE MATERIALS DATA SHEET

PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: LAMBOO LVB MATERIAL

PRODUCT USE: SUSTAINABLE BUILDING MATERIAL

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LEED POINTS: SUSTAINABLE PRODUCTS AND PRACTICES

THE LEED RATING SYSTEMS DO NOT CERTIFY CREDITS FOR PRODUCTS THEMSELVES. POINTS ARE AWARDED FOR ACHIEVING MILESTONES AND AT A PROJECT. PRODUCTS CAN HOWEVER "CONTRIBUTE TO ACHIEVING LEED CREDITS." THERE ARE TWO DIFFERENT CREDIT TYPES: 1) STANDARD CREDITS, AND 2) INNOVATION CREDITS. LAMBOO WINDOWS AND DOORS CAN CONTRIBUTE TO BOTH LEED CREDIT TYPES.

TABLE 1: POSSIBLE LEED CREDIT FOR LAMBOO LVB

CREDIT DESCRIPTION	POTENTIAL LEED 2010 CREDIT ELIGIBILITY
MR CREDIT 6: RAPIDLY RENEWABLE MATERIALS	1
IEQ CREDIT 4.4: LOW-EMITTING MATERIALS	1
ID CREDIT 1: INNOVATION IN DESIGN (ENVIRONMENTAL PREFERABLE MATERIAL)	1
ID CREDIT 2: INNOVATION IN DESIGN (LIFE CYCLE ASSESSMENT / ENVIRONMENTAL IMPACT)	1
TOTAL POSSIBLE ADDITIONAL POINTS	4

STANDARD CREDITS:

MR CREDIT 6: ¹

RAPIDLY RENEWABLE MATERIALS - THIS CREDIT IS ACHIEVED BY USING 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. LAMBOO ALLOWS A 4-6 YEAR HARVEST CYCLE TO KEEP HIGH SUSTAINABILITY AND PROMOTE THIS LEED CREDIT.

EQ CREDIT 4.4:

LOW-EMITTING MATERIALS - EQ CREDIT 4.4 CALLS FOR USE OF COMPOSITE WOOD AND AGRI-FIBER PRODUCTS ON THE INTERIOR OF THE BUILDING THAT MUST CONTAIN NO ADDED UREA-FORMALDEHYDE RESINS. LAMINATING ADHESIVES USED TO FABRICATE ON-SITE AND SHOP-APPLIED COMPOSITE WOOD AND AGRI-FIBER ASSEMBLIES MUST ALSO CONTAIN NO ADDED UREA-FORMALDEHYDE RESINS. LAMBOO MANUFACTURING USES LOW V.O.C., FORMALDEHYDE FREE ADHESIVES WHICH FIT UNDER THIS CATEGORY OF COMPOSITE WOOD AND AGRI-FIBER PRODUCTS WITH NO ADDED UREA FORMALDEHYDE RESINS THERE FOR THESE FEATURES PROMOTE THIS LEED CREDIT.

INNOVATION CREDITS:

ID CREDIT 1:

ENVIRONMENTAL PERFORMANCE

INNOVATION IN DESIGN - THIS CREDIT CAN BE ACHIEVED THROUGH SIGNIFICANT AND MEASURABLE ENVIRONMENTAL PERFORMANCE. USING LAMBOO LVB MATERIAL WILL HELP REDUCE ENVIRONMENTAL IMPACTS THROUGH ITS RAPID GROWTH, EROSION PREVENTATIVE ROOT SYSTEM, AND NATURAL BIOLOGICAL MAKE UP (NO HERBICIDES AND PESTICIDES USED IN GROWTH). THESE FEATURES PROMOTE THIS LEED CREDIT.

ID CREDIT 2:

LIFE CYCLE ASSESSMENT

INNOVATION IN DESIGN - THIS CREDIT CAN BE ACHIEVED BY EXPLORING LIFE CYCLE ASSESSMENT OF MATERIALS. THE THREE COMPONENTS WE FEEL SUPPORT THIS CREDIT ARE CARBON SEQUESTRATION NUMBERS, PERCENT EMBODIED ENERGY USED IN PRODUCTION, AND THERMAL CONDUCTIVITY PROPERTIES. LAMBOO HAS HIGHLY MEASURABLE ENVIRONMENTAL PERFORMANCE DUE TO 35% MORE SEQUESTRATION OF CARBON IN THE GROWING CYCLE COMPARED TO TIMBER. LAMBOO USES 300% LESS EMBODIED ENERGY IN MANUFACTURING IN COMPARISON TO ALUMINUM. LAMBOO PRODUCTS MINIMIZE THERMAL CONDUCTIVITY MORE SO THAN ALUMINUM, STEEL, FIBERGLASS, AND PVC. THESE FEATURES PROMOTE THIS LEED CREDIT.

ALL LEED RATING POINT REFERENCES ARE SUGGESTED WITH USE OF LAMBOO MATERIAL IN LEED QUALIFIED PROJECTS. LEED APPLICANTS SHOULD USE THEIR OWN OBJECTIVE DETERMINATIONS OF PRODUCT ATTRIBUTES IN THE LEED CERTIFICATION PROCESS. REFER TO THE WORLD GREEN BUILDING COUNCIL (WWW.WORLDBGC.ORG) FOR ALL LEED CREDITS THAT ARE APPLICABLE.

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