



METRO HARDWOODS

MATERIALS GUIDE FOR LEED®

LEED Reference Guide for Green Building Design and Construction Edition 2009 -- Rating System and Environmental Category	LEED Credit Category & Credit	LEED Credit Intents*	Materials that may contribute to LEED Credits	Contributing Percentage**
LEED for New Construction -- Materials and Resources (MR)	MR Credit 4 Recycled Content	Increase demand for products that incorporate recycled materials to reduce the impacts of extraction and processing of virgin materials as well as reducing load on waste stream.	Recycled products to meet International Organization of Standards document, ISO 14021. Raw Particleboard Core (PBC), Medium Density Fiberboard (MDF), products made with PBC or MDF.	Product assemblies - measurement of recycled content is determined by weight as a percentage of the product cost. Fabricators to determine weight of full assembly and the weight of pre and/or post-consumer recycled content. Supply contractor with percentage of pre or post-consumer in total assembly. The cost supplied to the contractor is the delivered cost of product prior to installation. (contract cost minus any install costs) Contributing products -- measured on a dry weight basis -- PBC 90% pre-consumer wood fiber and 10% resin; MDF 88% pre-consumer wood fiber and 12% resin.
LEED for New Construction -- Materials and Resources (MR)	MR Credit 5 Regional Materials	Increase demand for building materials that are extracted and manufactured regionally, supporting local economies, and protecting the environment from the impacts of transportation.	Qualifying materials must be extracted and processed within a 500 mile radius of the job site to qualify for Regional Materials. Lumber, Moldings, Flooring -- species Aspen, Birch, Basswood, Black Walnut, Cherry, Maple (Hard and Soft), Hickory, Red Oak, White Oak	Product assemblies - measurement of regional materials is determined by weight as a percentage of the product cost: Fabricator to supply contractor with the percentage of product by weight that qualifies as regional material. The cost supplied to the contractor is the delivered cost of product prior to installation. (contract cost minus any install costs)
LEED for New Construction -- Materials and Resources (MR)	MR Credit 6 Rapidly Renewable	Increase demand for products that utilize rapidly renewable materials (harvested in a 10 year or shorter cycle); to conserve finite resources, as well as long-cycle renewable materials.	Kirei and Bamboo Harvest under 10 years: Bamboo is typically 5 to 6 years. Kirei can be harvested every 6 months.	Product assemblies - measurement of rapidly renewable materials are determined by weight as a percentage of the product cost. Kirei is 85% rapidly renewable fiber, 15% resin. Standard Bamboo panels are 90% rapidly renewable, 10% resin. Stand Bamboo panels would be approximately 60% rapidly renewable, 40% resin.
LEED for New Construction -- Materials and Resources (MR)	MR Credit 7 Certified Wood	To encourage environmentally responsible forest management.	FSC Mixed xx%, FSC Mixed Credit or FSC Pure -- Lumber, Decorative Hardwood Plywood, Veneer Core (VC), Particleboard Core (PBC), Medium Density Fiberboard (MDF), Melamine Panels, Fire rated MDF or PBC, Moisture Resistant MDF, Combination Core (VC with MDF cross bands), Moldings, Hardwood Flooring -- species selection is vast	Product Assemblies - measurement by weight or volume as a percentage of product cost. Note that finished products must be invoiced with the proper FSC designations -- FSC Pure, FSC Mixed Credit, or FSC Mixed XX%. FSC COC is required for the vendor invoicing FSC products to the contractor/subcontractor.
LEED for New Construction -- Indoor Environmental Quality (IEQ)	IEQ 4.4 Low-Emitting Materials - Composite Wood and Agrifiber Products	To reduce the quantity of indoor air contaminants that are odorous, irritating, and/or harmful to the comfort and well-being of installers and occupants.	No added Urea Formaldehyde (NAUF) or No Added Formaldehyde (NAF): Decorative Hardwood Plywood, Veneer Core (VC), Particleboard Core (PBC), Medium Density Fiberboard (MDF), Melamine Panels, Fire rated MDF or PBC, Moisture Resistant MDF, Combination Core (CC made with VC center, MDF cross bands), Moldings, flooring -- species selection is vast	100% of the composite wood or agrifiber products permanently installed in the project must be NAUF. Laminating adhesives must also be NAUF.

*Credit Intents - See the LEED Reference Guide for Green Building Design and Construction - Edition 2009 for complete information

** Contributing percentage column is providing the basic information and does not cover the full calculation information. Calculations can vary depending on material inputs and other information -- it is best to review for each project individually.)

Products are not reviewed or certified under LEED. LEED credit requirements cover the performance of materials in the aggregate, not the performance of individual products or brands. For more information on LEED, visit www.usgbc.org/contact.