



Window and Door Manufacturers Association
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TECHNICAL BULLETIN

LEED[®] BD+C OPPORTUNITIES FOR INTERIOR WOOD DOORS Under LEED[®] v4 & v4.1

In 1998, the USGBC (United States Green Building Council) developed the first version of LEED (Leadership in Energy and Environmental Design) a program designed to promote more efficient building designs through efforts that take in consideration materials and construction techniques that reduce the environmental impacts. The current version, LEED v4 was introduced in 2013 and its' counterpart LEED v4.1 was published in June 2019 to provide updates and clarification to LEED v4. Currently, there are three LEED options being utilized; LEED 2009 v3, LEED v4 & LEED v4.1 which has created some confusion in the marketplace. Eventually LEED 2009 v3 will phase out as projects were required to be registered by October 31, 2016. This will leave two versions LEED v4 & LEED v4.1. Subsequently, **it is essential** that distributor **asks** which version of LEED is being specified on a project and which credits are being sought after to attain the correct project certifications.

Now let's explain the changes.

LEED 2009 (v3) is very similar to the previous versions where wood doors can contribute to the credits noted in the chart below:

CREDIT NO.	DESCRIPTION	INTENT
MR 4	Recycled Content - Post-consumer at full value and Pre-consumer at 50% value	Increase demand for building products that incorporate recycled materials
MR 5	Regional Materials - Materials harvested and/or recovered within 500 miles of the project site	To increase the demand for materials and products extracted and produced within the region. In doing so promoting the use of indigenous resources, and reducing environmental impacts of transportation
MR6	Rapidly Renewable Materials Building materials with a 10 year or shorter harvest cycle made from agricultural material	Reduce the use of finite or long cycle renewable resources in favor of rapidly renewable resources
MR7	Certified Wood – FSC Chain of Custody certified or approved USGBC program	Encourage environmentally responsible forest management

EQ 4.4	Low Emitting Material – No Added Urea-formaldehyde	Eliminate or reduce formaldehyde emissions from composite wood, agri-fiber products and adhesives use in product construction
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LEED v4 & v4.1 are more specific than previous versions but contribute to the credits noted in the chart below.

CREDIT NO.	DESCRIPTION	INTENT
MR Credit Environmental Product Declarations	Environmental Product Declaration (EPD)	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.
MR Credit Sourcing of Raw Materials*	<ul style="list-style-type: none"> A. Extended Producer Responsibility. B. Bio-Based materials. C. Wood products certified by FSC or USGBC approved equivalent D. Material Reuse E. Post-consumer and/or Pre-consumer recycled materials 	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.
MR Credit Material Ingredients*	<p>Material Ingredient Reporting</p> <ul style="list-style-type: none"> A. Cradle to Cradle B. Declare C. Facts D. Global Green Tag E. Health Product Declaration (HPD) F. Living Product Challenge G. Manufacturer Inventory <p>Additionally, some may also qualify for additional points through the Advanced Inventory and Assessment Pathway. Refer to See LEED v4 reference guide.</p>	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.
EQ Credit Low Emitting Materials*	At least 75% of all wall panels, by cost or surface area, meet the VOC emissions evaluation.	To reduce concentrations of chemical contaminants that can damage air quality, human health, productivity, and the environment.

	The wall panels product category includes trim, doors, frames and windows	
EQ Credit Acoustic Performance	STC Opening Ratings of 25 to 60 depending upon the occupied spaces by use and desired level of acoustic privacy	To provide workspaces and classrooms that promote occupants' well-being, productivity, and communications through effective acoustic design.
* 3 rd Party Certification Programs may be required for some of these credits		

With the advent of LEED v4 and subsequently v4.1, the LEED system has dialed down even further into the basis of the materials used on a construction site. Some may require multiple third-party certifications. Where wood doors can contribute to Credits in LEED v4 and v4.1 they are noted above with any third-party certification requirement. In addition, the Regional Materials Credit of previous versions is now considered an “extra credit” bonus point for certain credits when material is sourced (extracted, manufactured, and purchased) within a maximum distance of 100 miles (160 km)

For more information contact:

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