

ACHIEVING LEED® PLATINUM

WITH PLYBOOPURE®
BAMBOO PLYWOOD & FLOORING

a guide to potential credits

What is LEED?

LEED is an internationally recognized green building certification system created and administered by the US Green Building Council (USGBC), providing third-party verification that a building or community was designed and built with an eye on five key categories: energy savings, water efficiency, CO₂ emissions reduction, improved indoor air quality, and stewardship of resources and sensitivity to their impacts.

LEED points are awarded on a 100-point scale, and 10 bonus points are also possible. Certification is given according to four tiers: Certified, Bronze, Silver, Gold, or Platinum.

The Platinum Distinction







Exemplary projects that score particularly high are awarded certification at the Platinum level. As of December 6, 2010, the USGBC has reviewed **36,676 projects** around the world that have aspired to obtain LEED credentials. Only **405** of these projects have achieved LEED Platinum.

LEED Credits and Qualifying Materials

All Plyboo bamboo plywood and flooring materials can be specified to meet LEED requirements. (When choosing materials, always be sure to specify that the product must be FSC certified and urea-formaldehyde free.)

Supporting Documents

Documents that prove a product is eligible for credit is **absolutely necessary** to obtaining LEED certification. As mentioned, the USGBC has reviewed 36,676 projects around the world—of these, **29,196 projects have failed**.

Credit	PlybooPure Products	LEED System *	Points	Supporting Documents
MRc6: Rapidly Renewable Materials	All Plyboo plywood, flooring, veneer, and paneling	LEED - NC LEED - Schools <hr/> LEED - CI	2.5% - 1 point ≥ 5% - 2 points <hr/> ≥ 5% - 1 point	Material Safety Data Sheet (MSDS)
MRc7: Certified Wood	 The mark of responsible forestry SW-COC-003124 ©1996 Forest Stewardship Council A.C. All Plyboo plywood, flooring, and veneer can be FSC Pure	LEED - NC LEED - Schools <hr/> LEED - CI	≥ 50% - 1 point ≥ 95% - 2 points <hr/> ≥ 50% - 1 point	 The mark of responsible forestry SW-COC-003124 ©1996 Forest Stewardship Council A.C. Invoice listing FSC certified product + chain of custody #
IEQc4.3: Low-Emitting Materials (Flooring Systems)	 Cert.# SCS-FS-02130 As Certified by SCIENTIFIC CERTIFICATION SYSTEMS All PlybooPure flooring is FloorScore certified	LEED - NC LEED - CI LEED - Schools	100% of hard surface flooring pass CA Section 01350 - 1 point	 Cert.# SCS-FS-02130 As Certified by SCIENTIFIC CERTIFICATION SYSTEMS FloorScore certificate, or CA Section 01350 compliance certificate
IEQc4.4: Low-Emitting Materials (Composite Wood and Agrifiber Products)	 SCS CERTIFIED INDOOR ADVANTAGE GOLD SCIENTIFIC CERTIFICATION SYSTEMS SCS-IAQ-02135 All PlybooPure plywood and veneer is Indoor Advantage Gold certified	LEED - NC LEED - CI LEED - Schools	100% of composite wood products pass CA Section 01350 - 1 point	 SCS CERTIFIED INDOOR ADVANTAGE GOLD SCIENTIFIC CERTIFICATION SYSTEMS SCS-IAQ-02135 Indoor Advantage Gold certificate, or CA Section 01350 compliance certificate

*LEED - NC: LEED for New Construction, and LEED - CI: LEED for Commercial Interiors

LEED for Schools: Addressing Students' Health

Of all the LEED systems, **LEED for Schools** pays the most stringent attention to indoor air quality and environmental concerns, issues which can strongly impact a student's health and ability to learn. One way that LEED for Schools ensures a better atmosphere is by holding products to a higher standard when testing for **volatile organic compounds (VOCs)**.

There is **only one** indoor air quality test approved by LEED for Schools for the Indoor Environmental Quality (IEQ) credits: **CA Section 01350**.

California Section 01350 Testing (Section 01350)

Also known as CA DHS Standard Practice for Testing VOCs, Section 01350 is **the most stringent emissions test in the world**. It emphasizes the identification and quantification of VOCs monitored by the California Office of Environmental Health Hazard Assessment (OEHHA), the Toxic Air Contaminant Identification List, and the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65).

Smith & Fong Company first passed CA Section 01350 in **2008**.

3RD Party Verification: Scientific Certification Systems

Scientific Certification Systems (SCS) is a global leader in independent certification, and is a 3RD party certifier of FloorScore® and Indoor Advantage Gold™: both certifications require an on-site factory inspection and adherence to CA Section 01350 indoor air quality protocols. Both certifications are also **recommended by the USGBC** as strategies for obtaining LEED IEQc4.3 and IEQc4.4.

"Potential Technologies & Strategies

Clearly specify requirements for product testing and/or certification in the construction documents. Some programs that offer verification of the cited standard for Options 1-4 and 6 are Indoor Advantage™ Gold, GREENGUARD™ Children & SchoolsSM, the Resilient Floor Covering Institute's FloorScore™ program, the Carpet and Rug Institute's Green Label Plus™ program and the Collaborative for High Performance Schools product list. Indoor Advantage Gold offers verification of the BIFMA standard cited in Option C of the Furniture Option."

— LEED for Schools: New Construction and Major Renovations, First Edition Nov. 2007

Smith & Fong Company obtained FloorScore and Indoor Advantage Gold certification for its bamboo products in **2009**.

Responsible Forestry: The Forest Stewardship Council

The Forest Stewardship Council has been setting the global standard for responsible forestry for 20 years, with criteria that span economic, social, and environmental concerns. FSC certification is the **only** certification accepted by **LEED MRc7: Certified Wood**.

A few LEED Platinum Projects Using Plyboo



Alberici Headquarters

St. Louis, MO | USA

Materials used:

Plyboo Amber and Natural Edge Grain plywood

Certification Date:

July 8, 2005

emersion DESIGN

Cincinnati, OH | USA

Materials used:

PlybooSquared Amber plywood

Certification Date:

February 2, 2009



USGBC Headquarters

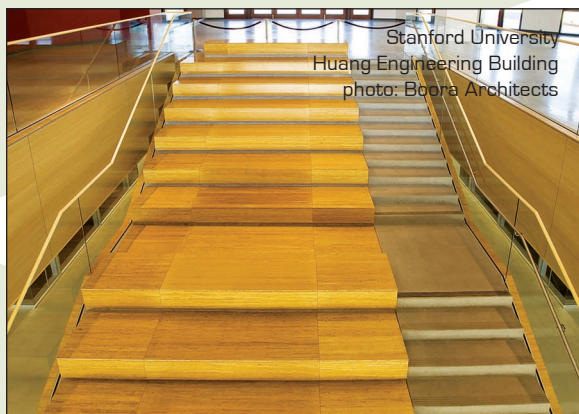
Washington, D.C. | USA

Materials used:

PlybooSquared Amber plywood

Certification Date:

February 6, 2007



Stanford University:

Huang Engineering Building

Palo Alto, CA | USA

Materials used:

PlybooStrand Sahara and Plyboo Edge Grain Amber plywood

Certification Date:

Pending