

## Case Study: Institutional

### David Brower Center

**Industry:**  
Institutional

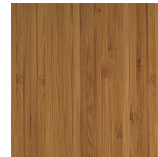
**Location:**  
Berkeley, California

**Architect:**  
Daniel Solomon Design Partners

After more than 25 years, Earth Island Institute, a non-profit incubator for startup non-profits has a permanent home and the David Brower Center is born. Brower, a vocal and lifelong advocate for the preservation of the environment and founder of the EII now has a building befitting of his legacy. Located in the center of Berkeley, CA and built to meet LEED Platinum certification, the Brower Center utilizes the Plyboo amber edge grain for the entry area to the building and extensively in the theatre area where it was used on the walls for both a visual effect as well as part of an acoustic wall system.

FSC and formaldehyde-free Plyboo were specified to contribute credits toward LEED Platinum certification.

#### Materials Used:



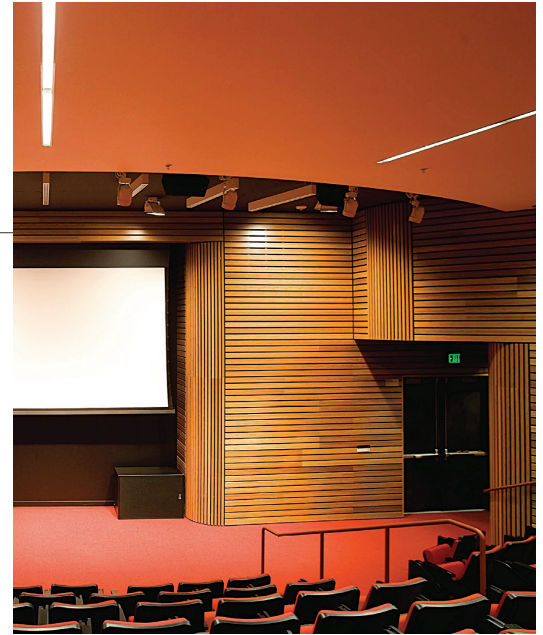
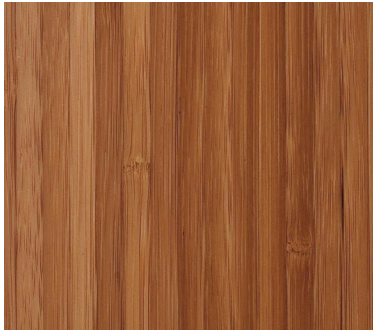
Amber Edge Grain  
Bamboo Plywood  
BP-S4896VA-NAUF /FSC



## Specifications

### Possible LEED Credits:

Low emitting materials and certified wood



### Physical / Mechanical Properties - Edge Grain Bamboo Plywood

Dimensions:	3/4" x 48" x 96" 19mm x 1219mm x 2438mm (*mm tolerance +/- .5mm thickness)
Construction:	Three-ply, cross core construction.
Working with Plyboo:	A worksheet is provided with each panel containing useful tips and information and is also available on our website at <a href="http://plyboo.com/downloads">plyboo.com/downloads</a> .
ASTM E84: Surface Burning	Class C
ASTM D1037: Dimensional Stability	<ul style="list-style-type: none"> <li>•Linear Expansion (3-ply): Parallel -0.04% / Perpendicular -0.07%</li> <li>•Thickness Swell (3-ply): -0.13%</li> </ul> Screw Hold (3-ply) (face/back/edge) <ul style="list-style-type: none"> <li>• 742 lbs/ 831 lbs/ 860 lbs average</li> </ul>
ASTM D4442: Moisture Content	6-9% average
ASTM D 6007-02: Formaldehyde Concentration in Air from Wood Products, small chamber test	Plyboo = 0.004 ppm (surpasses CARB II standards, 0.05ppm & ULEF standards of 0.04ppm)