



Case Study: Healthcare

Mass General, Lunder Building

Industry:
Healthcare

Location:
Boston, Massachusetts

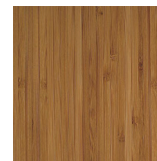
Architect:
NBBJ

Healthcare facilities are moving to a new philosophy to foster wellness by providing a natural feeling environment to promote patient healing. To achieve this goal Plyboo edge grain amber was selected to create a warm, soothing element in the design.

Plyboo was used extensively in the patient recovery rooms, waiting and reception areas as a wall treatment and for shelving and storage units. Durability, indoor air quality and sustainability were key factors in the selection of the material. FSC and Formaldehyde-free certification were also important contributors to this LEED Gold building.



Materials Used:



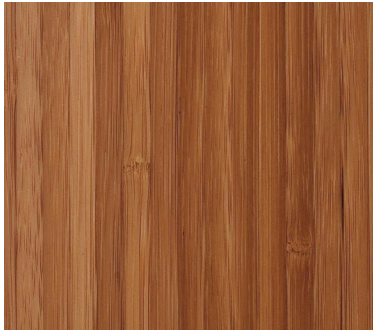
Amber Edge Grain
Bamboo Plywood
BP-V4896A-NAUF/FSC



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 plyboo.com/downloads .
ASTM E84: Surface Burning	Class C
ASTM D1037: Dimensional Stability	<ul style="list-style-type: none"> • Linear Expansion (3-ply): Parallel -0.04% / Perpendicular -0.07% • Thickness Swell (3-ply): -0.13% Screw Hold (3-ply) (face/back/edge) <ul style="list-style-type: none"> • 742 lbs/ 831 lbs/ 860 lbs average
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)