



Case Study: Commercial

Cervantes/Geronimo

Industry:
Commercial

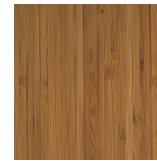
Location:
Denver, Colorado

Architect:
Burkett Design

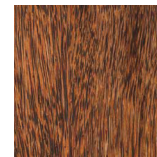
Looking for a zen-like elegance for Cervantes/Geronimo offices in Denver, Colorado, Plyboo amber edge grain and Durapalm flat grain coconut palm plywoods were chosen. To keep with the contemporary feel, the panels were installed horizontally adding a clean, linearity to the space. Without breaking a line, the end grain amber moves from wall to door and back again. To contrast with the bamboo, palm was used to face the reception desk and for a little drama, the open stair case treads were also were fabricated from coconut palm.



Materials Used:



Amber Edge Grain
Plywood
BP-V489BA-NAUF /FSC



Coco Palm
Flat Grain Plywood
PB-3696UPN-NAUF



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)

Physical / Mechanical Properties - Coco Palm Flat Grain Plywood

Dimensions:	3/4" x 36" x 96" - 19mm x 915mm x 2438mm
Construction:	Three-ply, cross core construction.
Working with Durapalm	A work sheet is provided with each panel containing useful tips and information and is also available on our website at www.durapalm.com/downloads-and-specs
ASTM E84: Surface Burning	Class B
ASTM D1037 Dimensional Stability:	<ul style="list-style-type: none"> • Linear Expansion: 0.04% parallel; 1.44% average perpendicular • Thickness Swell: 1.73% average • Screw Hold (face / edge): Flat grain: 300lbs. face average / 330lbs. edge average
ASTM D4442: Moisture Content	6 - 9% avg.
ASTM D5116-06: Organic Emissions [CA Section 01350]	Classroom scenario / Office scenario: Pass / Pass